Indian Meteorological

BEING

OCCASIONAL DISCUSSIONS AND COMPILATIONS OF METEOROLOGICAL DATA

RELATING TO

INDIA AND THE NEIGHBOURING COUNTRIES.

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UNDER THE DIRECTION OF

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VOL. XI, PART I.

OBSERVATIONS RECORDED DURING THE SOLAR ECLIPSE OF 22nd JANUARY 1898 AT 151 METEOROLOGICAL STATIONS IN INDIA.

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I.—A discussion on the observations recorded during the solar eclipse of 22nd January 1898 at 154 Meteorological stations in India, by John Eliot, M.A., F.R.S., C.I.E., Meteorological Reporter to the Government of India, and Director General of Indian observatories.

The present memoir contains the special observations recorded at a large number of observatories during the solar eclipse of 22nd January 1898.

As it was anticipated the weather would be fine, it was considered desirable to utilize the observing power of the Department so far as possible in order to obtain a full record of the meteorological conditions accompanying a total solar eclipse, freed so far as is probably ever likely to occur from abnormal atmospheric disturbance.

The following is a copy of the instructions that were given to the observers for these observations :—

"The solar eclipse of 22nd January 1898 will, if the weather be fine, give the India Meteorological Department an opportunity of ascertaining more fully and satisfactorily than has hitherto been done the meteorological phenomena accompanying and due to the occurrence of total solar eclipses, more especially the changes of pressure, temperature, humidity and cloud. It is the desire not only of scientific authorities in Europe, but also of the Government of India, that the Department should avail itself fully of this opportunity and record series of observations on the 22nd in every part of India.

"The eclipse will be total in a narrow belt of country stretching from the Bombay coast near Ratnagiri to the Nepal hills. In this belt are the following observing stations :—

71 Mid
72 Myn,
[illegible],
Nagpur,

Seoni,
[illegible],
Chapra,
Motihari.

At all other stations the eclipse will be partial.

"The following gives the local and the corresponding Madras time of totality at certain stations in the belt of complete obscuration :—

	Madras time.	Local time.
Ratnagiri	1-11 P.M.	0-44 P.M.
Satara	1-14 "	0-49 "
Nagpur	1-27 "	1-23 "
Buxar	1-38 "	1-53 "
Motihari	1-42 "	2-1 "

"The sun will be completely obscured for about two minutes, and the eclipse will last, speaking roughly, for about two hours in the belt of totality, *i.e.*, for an hour before complete obscuration of the sun and for an hour afterwards.

"The proportion of the sun's disc observed during the eclipse decreases northwards and southwards from the line of totality.

"The most valuable observations can be recorded at the stations in the belt of totality, and the importance of the observations will decrease with the distance of the stations from the line of totality.

"A supply of forms for the use of the observer is sent with the circular. The observer should retain one form or set of forms containing the observations in original for his future reference and send a second set neatly copied from the original, as soon after the eclipse as is convenient, to the India Meteorological Office, Calcutta.

The observations that are desired include readings of—

(1) The barometer,
(2) Dry and wet bulb thermometers,
(3) Wind direction and amount,
(4) Cloud (kind and direction of movement),

and at stations which have the necessary instruments—the grass radiation and solar radiation thermometers. The solar radiation instrument should be set before each reading. Columns for each of these elements of observation are given in the forms.

"In addition it would be desirable that the observer should record in the column headed "Weather remarks" any observations he can make, more especially on the following points :—

(1) Colour and changes of colour of the sky and of the clouds;
(2) Any unusual appearance of the sun or of the sky in its immediate neighbourhood at the time of totality or greatest obscuration.

"It is not possible to give full instructions for the latter observations, and their value will depend mainly upon the intelligence, judgment and discrimination of the observer.

"The observations should be recorded as frequently as possible during the eclipse at intervals not exceeding 15 minutes, and, if possible, every 5 or [illegible] minutes during the eclipse proper. The best arrangement would be the following :—

(1) Read the instruments every 15 minutes from 10 A.M. to the commencement of the eclipse and again from its termination until 4 P.M., so that a complete record of the weather from 10 A.M. to 4 P.M. may be obtained.
(2) Read the thermometers (*i.e.*, dry and wet bulbs) and barometer every 5 minutes during the eclipse. If the wind vane and anemometer are placed near to the thermometer shed, read these instruments also every 5 minutes. If they are at some distance away, read them every 10 or 15 minutes.
(3) Record colours of clouds and sky and any additional observations that you can make whenever time permits.

Observers recording these special observations will be granted awards from the fund for special storm observations, and these will be determined by the number and value of the observations and will be included in the awards paid in the month of February or March 1898.

"All observers that can spare the time, especially at second class observatories, are requested, if possible, to participate in these observations, and if in any case an observer is unable to do so, he should report the matter to his Superintendent and forward through him an explanation of his inability to record these eclipse observations."

Observations were recorded at 154 stations in all.

The following is a list of the stations according to the amount of greatest obscuration :—

I. *Total* :—

1 Seoni.
2 Buxar.
3 Chapra.
4 Nagpur Observatory.
5 Motihari.
6 Nagpur Sanitary Commissioner's Office.
7 Arrah.

II. *Between ten and nine-tenths* :—

8 Ratnagiri.
9 Amraoti.
10 Muzaffarpur.
11 Benares.
12 Dehri.
13 Akola.
14 Jubbulpore.
15 Sholapur.
16 Patna.
17 Katmandu.
18 Ahmednagar.
19 Chikalda.
20 Sutna.
21 Allahabad.
22 Poona.
23 Pachmarhi.
24 Buldana.
25 Gaya.
26 Belgaum.
27 Darjeeling.
28 Chanda.
29 Hoshangabad.
30 Khandwa.
31 Raipur.
32 Purnea.
33 Karwar.
34 Bhagalpur.
35 Hazaribagh.
36 Ranchi.
37 Cawnpore.
38 Indore.
39 Secunderabad.
40 Lucknow.
41 Bahraich.
42 Rangpur.
43 Sambalpur.
44 Chaibassa.
45 Rampur Boalia.
46 Mangalore.
47 Bogra.
48 Berhampore.
49 Mercara.
50 Agra.
51 Ahmedabad.

III. *Between nine and eight-tenths* :—

52 Darbhanga.
53 Gorakhpur.
54 Daltonganj
55 Bijapur.
56 Saugor.
57 Malegaon.
58 Bombay Meteorological Office.
59 Dinajpur.
60 Naya Dumka.
61 Dhubri.
62 Jhansi.
63 Raniganj.
64 Bellary.
65 Surat.
66 Bankura.
67 Kurnool.
68 Burdwan.
69 Mainpuri.
70 Serajganj.
71 Midnapore.
72 Mymensingh.
73 Krishnagar.
74 Bareilly.
75 Balasore
76 Sibsagar.
77 Faridpur.
78 Calcutta (Alipore).
79 Jessore.
80 Veraval.
81 Cuttack.
82 Cuddapah.
83 Gopalpur.
84 Masulipatam.
85 Narayanganj.
86 Saugor Island.
87 Cocanada.
88 Puri.
89 Calicut.
90 False Point.
91 Silchar.
92 Rajkot.
93 Comilla.
94 Barisal.
95 Ranikhet.
96 Nellore.
97 Mount Abu.
98 Ajmere.
99 Sambhar.
100 Delhi.
101 Noakhali.
102 Cochin.
103 Roorkee.
104 Salem.
105 Chittagong.
106 Dehra Dun.
107 Pachpadra.
108 Mussooree.
109 Kindat.
110 Sirsa.
111 Bickaneer
112 Bhamo.

IV. *Less than eight-tenths* :—

113 Deesa.
114 Wellington.
115 Coimbatore.
116 Bhuj.
117 Chakrata.
118 Trichinopoly.
119 Cuddalore.
120 Madura.
121 Simla.
122 Negapatam.
123 Tinnevelly.
124 Ludhiana.
125 Pamban.
126 *Akyab.*
127 Hyderabad (Sind).
128 Mandalay.
129 Kurrachee.
130 Lahore.
131 Leh.
132 Montgomery.
133 Minbu.
134 *Sialkot.*
135 Mooltan.
136 Thayetmyo.
137 Taunggyi.
138 Jacobabad.
139 Khushab.
140 Toungoo
141 Murree.
142 Rawalpindi.
143 *Dera Ismail* Khan.
144 Bassein.
145 Cherat.
146 Gilgit.
147 Diamond Island.
148 Peshawar.
149 Quetta.
150 Rangoon.
151 Chaman.
152 Moulmein.
153 Tavoy.
154 Mergui.

The observations were reduced and tabulated in the Calcutta Office. They are in all cases given for Madras time, and not for local time and hence are in this respect strictly comparable. The weather and other remarks are given so far as possible in the words of the observers. It should be remembered that the large majority of the observers are natives on small pay and hence very imperfectly educated. They usually read the instruments carefully and the observations of the barometer, thermometers, wind and cloud may, in the great majority of cases, be accepted as accurate and trustworthy.

No. 1. Lat. 22° 6′ N. **SEONI.** Long. 79° 33′ E.

Six miles from central line of totality. Greatest obscuration 10.

Hour. Madras time.	Barometer. Corrected and reduced to 32° F.	Barometer. Reduced to sea-level and constant gravity.	Dry bulb corrected.	Wet bulb corrected.	Aqueous vapor pressure.	Relative humidity.	Wind. Direction.	Wind. Amount since preceding interval, in miles per hour.	Cloud proportion.	Proportion of eclipse, totality 10.	Weather and other remarks.
A.M.	″	″	°	°	″	%					
10·0	28·026	30·035	72·8	57·9	·296	37	NNE	1	*Nil*		Weather clear, sky blue, wind strong.
10·5	·024	·027	74·0	58·1	·284	34	NNE	2·4	"		Ditto ditto.
10·10	·024	·027	74·0	58·1	·284	34	NNE	9·6	"		Ditto ditto.
10·15	·023	·025	74·2	58·1	·286	34	NE	4·8	"		Ditto ditto.
10·20	·022	·023	73·8	58·1	·290	35	NE	4·8	"		Ditto ditto.
10·25	·021	·023	74·2	58·3	·290	34	NE	2·4	"		Ditto ditto.
10·30	·021	·023	74·2	57·7	·272	33	NE	1·2	"		Ditto ditto.
10·35	·023	·024	74·6	58·3	·287	33	NNE	8·4	"		Ditto ditto.
10·40	·018	·019	74·8	58·3	·285	33	NE	2·4	"		Ditto ditto.
10·45	·020	·018	75·2	58·5	·286	33	NE	6·0	"		Ditto ditto.
10·50	·022	·019	75·8	59·5	·308	34	NNE	1·2	"		Ditto ditto.
10·55	·018	·015	75·8	59·3	·301	33	NNE	1·2	"		Ditto ditto.
11·0	·016	·013	75·6	59·3	·275	30	NNE	6·0	"		Ditto ditto.
11·5	·014	·007	76·4	59·3	·293	32	NNE	2·4	"		Ditto ditto.
11·10	·016	·010	76·2	59·5	·274	31	NNE	2·4	"		Ditto ditto.
11·15	·012	·005	76·8	59·5	·296	32	NNE	2·4	"		Ditto ditto.
11·20	·008	29·997	77·2	59·1	·278	30	NNE	1·2	"		Ditto ditto.
11·25	·010	30·000	77·2	59·1	·278	30	NNE	4·8	"		Ditto ditto.
11·30	·008	29·997	77·2	59·1	·278	30	NNW	4·8	"		Ditto ditto.
11·35	·003	·992	77·4	59·3	·283	30	NE	2·4	"		Ditto ditto.
11·40	·001	·986	78·2	59·3	·271	28	NNW	2·4	"		Ditto ditto.
11·45	27·999	·985	77·8	59·7	·260	28	NNE	3·6	"		Ditto ditto.
11·50	·997	·979	78·6	59·8	·280	29	NE	2·4	"		Ditto ditto.
11·55	·995	·977	78·6	59·5	·273	28	NNW	1·2	"		Ditto ditto.
12·0	·991	·974	78·4	59·3	·269	28	NNW	1·2	"		Ditto ditto.
P.M.											
0·5	·989	·968	79·2	59·9	·277	27	NNW	2·4	"	1	Sky blue, light dull.
0·10	·987	·966	79·2	60·1	·282	28	NNE	0	"	2 at 0·12 P.M.	
0·15	·986	·966	79·0	59·5	·268	27	NNW	3·6	"		
0·20	·984	·962	79·6	60·1	·279	27	NE	0	"	3 at 0·21 P.M.	Sky blue, light dull, wind calm.
0·25	·978	·956	79·2	59·7	·269	27	NNE	2·4	"		Sky blue, light very dull, general appearance of light yellowish red.
0·30	·976	·954	79·2	59·7	·269	27	NNW	1·2	"	4 at 0·31 P.M.	Ditto ditto.
0·35	·978	·956	79·2	59·9	·279	27	NE	0	"		Sky blue, light very dull, gentle wind, general appearance of light yellowish red.
0·40	·974	·953	79·0	59·7	·272	27	NNE	2·4	"	5 at 0·43 P.M.	Sky blue, light very dull, moderate wind light yellowish red.
0·45	·972	·953	78·8	59·7	·274	28	NNE	2·4	"		Wind calm, light dull.
0·50	·972	·954	78·2	59·3	·270	28	N	3·6	"		Ditto ditto.
0·55	·972	·954	78·2	59·5	·278	29	N	0	"	6	Ditto ditto.
1·0	·969	·951	78·0	59·1	·266	28	NNE	1·2	"		Ditto ditto.
1·5	·969	·951	78·0	59·3	·276	28	NE	0	"	7	Ditto ditto.
1·10	·965	·950	77·4	59·1	·277	29	NNE	0	"		Ditto ditto.
1·15	·963	·948	77·2	59·5	·291	32	NNE	0	"	8 at 1·14 P.M.	Ditto ditto.
1·20	·963	·948	76·4	59·7	·304	34	NNE	0	"	9 at 1·22 P.M.	Ditto ditto.
1·25	·963	·953	76·0	58·1	·261	29	NNE	0	"		Ditto ditto.
1·30	·955	·947	75·6	59·7	·314	36	NNE	0	"	to at 1·27 P.M.	Full obscuration, weather dark like evening, everything quite quiet and calm, wind totally stopped from 1 P.M. to 2·10 P.M. Several stars were seen. Sky blue in N.W. direction and pale in S. W., Full observation lasted for 1½ minutes, i.e., from 1·27 to 1·28½ P.M.
1·35	·956	·950	75·0	58·5	·288	33	NNE	0	"	9 at 1·28½ P.M.	
1·40	·954	·951	74·2	58·9	·312	36	NNE	0	"	9	
1·45	·950	·947	74·4	59·1	·312	36	NNE	0	"	8 at 1·42 P.M.	
1·50	·952	·948	74·6	58·7	·295	35	NNE	0	"		
1·55	·950	·943	75·2	58·9	·300	33	NNE	0	"	7 at 1·51 P.M.	
2·0	·948	·939	75·8	59·1	·295	33	NNE	0	"		
2·5	·952	·942	76·0	58·7	·280	31	NE	0	"	6 at 2·1 P.M.	
2·10	·950	·939	76·4	59·1	·289	31	NE	0	"		
2·15	·950	·938	76·8	59·5	·296	32	NNE	1·2	"	5 at 2·11 P.M.	
2·20	·950	·935	77·2	59·5	·291	32	NNE	0	"		
2·25	·947	·928	78·0	59·7	·286	29	NNE	0	"	4	
2·30	·949	·929	78·2	59·5	·278	29	NNE	1·2	"		
2·35	·952	·933	78·2	59·7	·282	29	NE	2·4	"	3 at 2·28 P.M.	
2·40	·947	·926	78·6	60·1	·291	29	NNE	0	"	2	
2·45	·952	·930	79·0	60·1	·284	28	NNE	2·4	"		
2·48	...	...	...	...	...	...	...	...	"	0	The eclipse terminated at 2·48 P.M.
2·50	·952	·929	79·2	60·5	·296	30	NNE	2·4	"		
2·55	·950	·927	79·2	59·9	·280	27	NNE	1·2	"		
3·0	·949	·925	79·2	60·3	·288	28	NNE	2·4	"		
3·5	·951	·924	79·2	60·3	·288	28	NNE	1·2	"		
3·10	·951	·928	79·2	59·3	·258	25	NNE	3·6	"		
3·15	·949	·925	79·2	59·3	·258	25	NNE	1·2	"		
3·20	·955	·932	79·4	60·5	·292	29	NNE	6·0	"		
3·25	·955	·932	79·2	60·1	·284	28	NNE	4·8	"		
3·30	·957	·934	79·2	60·1	·284	28	NNE	1·2	"		
3·35	·957	·932	80·0	60·3	·280	27	NNW	1·2	"		
3·40	·955	·930	80·0	60·3	·301	29	NNE	2·4	"		
3·45	·957	·934	79·4	60·3	·287	28	NNE	1·2	"		
3·50	·959	·935	79·8	60·5	·289	28	NNE	0	"		
3·55	·950	·936	79·4	60·3	·287	28	NNE	2·4	"		
4·0	·959	·935	79·8	61·5	·320	32	NNE	1·2	"		

No. 2. Lat. 25° 34′ N. **BUXAR.** Long. 84° 1′ E.

Ten miles from central line of totality. Greatest obscuration 10.

Hour. Madras Time.	Barometer. Corrected and reduced to 32°.	Barometer. Reduced to sea-level and constant gravity.	Dry bulb corrected.	Wet bulb corrected.	Aqueous vapour pressure.	Relative humidity.	Wind. Direction.	Wind. Amount since preceding interval, in miles per hour.	Cloud proportion.	Proportion of eclipse, totality 10.	Weather and other remarks.
	"	"	°	°	"	%					
A.M.											
10-13	29·796	29·999	71·1	58·7	·331	43	WSW	...	*Nil*	...	Fine clear weather during the whole day.
10-18	·798	30·001	71·6	58·9	·330	43	...	...	"	...	
10-23	·797	·000	72·1	58·9	·323	42	WSW	9·6	"	...	
10-28	·791	29·994	72·6	59·4	·332	42	...	...	"	...	
10-33	·788	·991	72·6	59·4	·323	41	WSW	7·2	"	...	
10-38	·783	·985	73·3	59·8	·335	41	...	...	"	...	
10-43	·783	·985	73·5	59·9	·336	41	WSW	6·0	"	...	
10-48	·781	·983	74·5	60·7	·348	41	...	...	"	...	
10-53	·785	·987	73·6	60·4	·350	42	WSW	6·0	"	...	
10-58	·781	·982	75·1	60·7	·340	39	...	...	"	...	
11-3	·779	·981	74·1	60·4	·343	41	WSW	5·4	"	...	
11-8	·773	·974	75·1	60·6	·337	39	...	...	"	...	
11-13	·774	·976	74·4	60·1	·332	39	WSW	6·0	"	...	
11-18	·765	·967	74·4	60·1	·332	39	...	...	"	...	
11-23	·764	·966	74·6	60·4	·337	39	WSW	9·6	"	...	
11-28	·764	·965	75·4	61·3	·356	40	...	...	"	...	
11-33	·762	·963	75·1	60·9	·346	40	WSW	4·8	"	...	
11-38	·761	·962	75·3	60·9	·344	39	...	...	"	...	
11-43	·760	·960	77·1	61·9	·352	37	SW	7·8	"	...	
11-48	·756	·957	76·0	60·9	·335	38	...	...	"	...	
11-53	·755	·956	76·1	61·1	·340	38	W	7·8	"	...	
11-58	·755	·956	76·2	61·8	·361	39	...	...	"	...	
P.M.											
0-5	·745	·945	76·4	61·1	·337	37	W	9·6	"	...	
0-8	·747	947	76·7	61·7	·351	38	...	...	"	...	
0-13	7·44	·943	77·1	61·8	·349	37	W	9·0	"	...	
0-18	·744	·943	77·1	61·8	·349	37	...	...	"	1	Eclipse commenced at 0-18 P.M.
0-23	·744	·944	76·9	61·7	·348	38	WSW	8·4	"	...	
0-28	·743	·943	76·6	61·6	·349	38	...	...	"	...	
0-33	·742	·942	76·6	61·6	·349	38	WSW	36·0(?)	"	...	
0-38	·738	·938	76·1	61·4	·350	39	...	...	"	...	
0-43	·730	·930	76·1	61·7	·359	40	WSW	10·2	"	2	
0-48	·731	·931	76·1	61·7	·359	40	...	...	"	3	
0-58	·730	·930	76·3	61·8	·360	40	...	...	"	4	
1-3	·730	·930	75·8	61·0	·341	38	W	1·8	"	...	
1-8	·730	·930	75·6	60·9	·340	39	...	...	"	...	
1-13	·730	·931	74·6	60·4	·337	39	...	...	"	5	
1-18	·729	·930	74·4	60·2	·334	40	W	5·6	"	6	
1-23	·727	·928	73·9	59·7	·325	40	...	...	"	8	
1-28	·726	·928	72·6	58·9	·316	40	...	...	"	9	
1-33	·725	·927	72·1	58·9	·323	42	W	2·4	"	...	
1-38	...	...	...	...	...	...	...	...	"	10	Total eclipse lasting 1 minute 35 seconds. A star was seen on the S. E. of the sun at the time of totality of eclipse.
1-53	·722	·924	72·0	59·7	·349	45	...	...	"	...	
1-58	·720	·922	72·0	60·0	·359	46	W	16·1	"	...	
2-8	·715	·916	73·1	61·3	·387	47	...	...	"	...	
2-13	·715	·916	73·4	61·4	·386	46	W	4·8	"	...	
2-18	·710	·911	74·4	61·7	·381	45	...	...	"	...	
2-23	·706	·906	75·1	62·1	·386	44	W	6·6	"	...	
2-28	·701	·904	75·6	61·7	·365	41	...	..	"	...	
2-33	·705	·905	76·1	61·6	·356	40	W	13·8	"	...	
2-38	·707	·907	76·1	60·9	·333	38	...	...	"	...	
2-48	·708	·908	76·9	62·0	·358	38	...	...	"	...	
3-8	·707	·906	77·0	62·4	·371	40	W	4·3	"	...	Eclipse ended at 2-58 P.M.
3-13	·705	·905	76·8	61·4	·340	36	...	...	"	...	
3-18	·703	·902	77·1	61·3	·333	35	W	15·0	"	...	
3-23	·705	·905	76·8	61·1	·330	36	...	...	"	...	
3-28	·709	·909	76·8	61·4	·340	36	W	13·2	"	...	
3-33	·705	·905	76·6	61·4	·343	37	...	...	"	...	
3-38	·710	·910	76·6	61·1	·333	36	W	13·2	"	...	
3-43	·710	·910	76·6	61·1	·333	36	...	...	"	...	
3-48	·706	·906	76·1	61·5	·354	40	W	16·2	"	...	
3-53	·706	·906	76·1	61·5	·354	40	...	...	"	...	
3-58	·712	·912	76·0	61·4	·352	39	...	...	"	...	

No. 3. Lat. 25° 47′ N. **CHAPRA.** Long. 84° 47′ E.

Twelve miles from central line of totality. Greatest obscuration 10.

Hour. Madras time.	Barometer. Corrected and reduced to 32° F.	Barometer. Reduced to sea-level and constant gravity.	Dry bulb corrected.	Wet bulb corrected.	Aqueous vapour pressure.	Relative humidity.	Wind. Direction.	Wind. Amount since preceding interval, in miles per hour.	Cloud proportion.	Weather and other remarks.
A.M.	"	"	°	°	"	%				
10·0	29·881	30·024	67·1	59·2	·400	60	Calm	...	*Nil*	Sky blue, little hazy.
10·15	·878	·020	68·3	59·9	·405	58	Calm	0	"	Ditto.
10·30	·872	·014	69·2	60·2	·403	55	Calm	0	"	Ditto.
10·45	·866	·008	70·1	59·7	·374	49	SW	0	"	Ditto, light wind.
11·0	·855	29·996	71·1	60·3	·380	50	WSW	0·4	"	Ditto ditto.
11·15	·847	·988	72·2	61·2	·395	50	SW	0·8	"	Ditto ditto.
11·30	·838	·979	72·2	60·3	·365	46	SSW	0·4	"	Ditto ditto.
11·45	·834	·975	73·5	61·6	·390	47	SSW	1·6	"	Ditto ditto.
12·0	·826	·966	74·0	61·7	·388	40	SSW	0	"	Ditto ditto.
P.M.										
0·15	·816	·956	74·4	62·2	·398	46	SW	16·8	"	Ditto strong gusts of wind.
0·28	·809	·949	74·5	62·5	·407	47	SW	0·9	"	Sky still blue. The sun's disc appeared through a smoked glass to decrease steadily from S.10.
0·36	·809	·949	75·3	63·3	·423	48	SW	0	"	Ditto ditto.
0·48	·809	·949	74·8	63·0	·420	49	Calm	1·0	"	Ditto ditto.
1·0	·803	·943	75·1	63·3	·426	49	Calm	0·5	"	Slight darkness such as precedes a storm overspreading from SW; sky slaty colour all around.
1·10	·795	·935	74·1	61·4	·376	44	SSW	1·2	"	More gloomy look around.
1·21	·793	·933	73·8	62·2	·407	49	SW	0.5	"	Daylight losing lustre and fading rather rapidly and throwing a glow of a dull yellowish tint on the scenery and surrounding objects. A cool breeze setts. Birds occasionally twitter and suddenly stop.
1·35	·789	·929	72·2	61·3	·398	50	Calm	0	"	Darkness more intense. Aspect ghastly. Luminous intensity like that of full moon.
1·44	·780	·921	70·8	61·4	·419	55	Calm	0	"	A slight gust of cool breeze. Lull around. Total obscurity lasted about 1′ 50″. The outer corona noticed had a band of white intermixed with light pink accompanied by luminous fringes of purple and orange from which projected bright rays of irregular lengths around. Their lengths extended most to the NNW and SSW. The rays were brighter near the moon. One star was visible to the SSW. On the reappearance of the sun like an electric spark on inky darkness the streamers gradually faded and disappeared.
1·55	·782	·923	69·5	61·5	·441	61	Calm	0	"	Scarlet glow around. Wind still; birds resumed chirping.
2·12	·781	·922	69·5	62·7	·480	66	Calm	0	"	Sky light blue, sun more intense, its shape oval.
2·24	·781	·921	72·2	63·9	·484	61	Calm	0	"	
2·36	·775	·914	74·1	62·4	·409	48	SW	0	"	Slight gusts of wind. Sky blue.
2·54	·776	·915	74·9	62·2	·391	45	Calm	0	"	Ditto. ditto.
3·1	·772	·911	75·2	62·5	·397	45	SW	0·9	"	Wind occasionally stronger.
3·18	·778	·917	75·1	62·4	·395	45	WSW	0·4	"	Ditto variable.
3·33	·776	·915	74·9	62·2	·391	45	SW	0·8	"	Ditto. ditto.
3·47	·778	·917	74·5	62·1	·393	45	Calm	0·4	"	Ditto. ditto.
4·0	·782	·922	73·7	61·4	·382	46	Calm	0·5	"	Ditto. ditto.

No. 4. Lat. 21° 9′ N. NAGPUR OBSERVATORY. Long. 79° 11′ E.

Twenty-three miles from central line of totality. Greatest obscuration 10.

Hour. Madras time.	Barometer. Corrected and reduced to 32° F.	Barometer. Reduced to sea-level and constant gravity.	Dry bulb corrected.	Wet bulb corrected.	Aqueous vapour pressure.	Relative humidity.	Wind. Direction.	Wind. Amount since preceding interval, in miles per hour.	Cloud proportion.	Proportion of eclipse, totality 10.	Weather and other remarks.
A.M.	″	″	°	°	″	%					
10·4	29·037	30·041	74·2	57·1	·257	30	Calm	...	*Nil*	...	
10·19	·036	·037	75·4	58·2	·274	31	NNE	4·0	,,	...	
10·34	·035	·035	76·2	57·7	·249	28	NNE	2·0	,,	...	
10·49	·031	·027	77·3	58·1	·248	26	NE	4·0	,,	..	
11·4	·028	·022	78·6	58·2	·233	23	NE	4·0	,,	...	Fine clear weather; sky blue and hazy.
11·19	·020	·014	79·0	58·9	·251	25	NE	4·0	,,	...	
11·34	·015	·007	79·6	58·6	·234	23	N	8·4	,,	..	
11·49	·010	·001	80·2	59·3	·247	23	N	4·0	,,	...	
P.M.											
0·4	·001	29·990	80·9	59·1	·212	21	NNE	6·0	,,	...	
0·14	28·994	·982	81·4	59·5	·239	22	NNE	6·0	,,	...	Fine clear weather; eclipse commenced a 0·1 P.M.; wind light.
0·19	·992	·980	81·8	60·7	·271	25	Calm	12·0	,,	1 at 0·21 P.M.	
0·24	·990	·977	82·2	59·9	·242	21	N	...	,,	...	
0·29	·984	·972	81·2	59·6	·245	23	N	...	,,	2 at 0·30 P.M.	Weather dull and hazy; sky blue; wind light.
0·34	·984	·972	81·1	59·6	·246	23	N	0·8	,,	...	
0·39	·982	·968	82·0	60·2	·252	22	Calm	...	,,	3 at 0·37 P.M.	
0·44	·983	·971	81·2	59·5	·242	23	Calm	...	,,	...	
0·49	·980	·967	81·5	60·2	·258	23	NE	2·0	,,	4 at 0·47 P.M.	Weather dull and hazy; daylight diminishing; atmosphere becoming cool.
0·54	·978	·966	80·9	59·4	·242	22	Calm	..	,,	5	
0·59	·975	·964	80·7	59·1	·235	22	Calm	...	,,	...	Weather dull and hazy; light becoming dim.
1·4	·973	·961	81·0	59·6	·247	22	NE	0·8	,,	6 at 1·1 P.M.	
1·9	·968	·956	80·9	59·6	·248	23	Calm	...	,,	7 at 1·8 P.M.	
1·14	·967	·956	80·6	59·6	·252	24	Calm	.	,,	..	
1·19	·965	·955	80·2	60·0	·269	26	Calm	5·2	,,	8 at 1·15 P.M.	Weather gloomy and dull; light very dim.
1·24	·961	·951	79·5	60·4	·290	28	Calm	...	,,	9 at 1·22 P.M.	
1·29	·979	·977	76·2	61·0	·349	39	Calm	...	,,	10 at 1·28 P.M.	Dark gloomy weather; sky hazy and dark blue; four stars visible.
1·34	·975	·972	76·4	60·8	·342	38	Calm	3·6	,,	...	
1·39	·965	·962	76·3	59·9	·315	34	Calm	...	,,	...	Weather dull, gloomy and hazy.
1·44	·961	·956	77·2	59·6	·295	32	Calm	...	,,	9 at 1·41 P.M.	
1·49	·957	·951	77·7	59·3	·278	29	Calm	0·8	,,	8	
1·54	·955	·948	77·9	59·6	·286	30	Calm	...	,,	...	
1·59	·953	·946	78·1	60·0	·295	31	Calm	...	,,	7 at 1·56 P.M.	
2·4	·947	·938	79·2	59·6	·270	27	Calm	0·8	,,	6	
2·9	·947	·937	79·6	59·5	·262	26	Calm	...	,,	...	Weather dull, fine and hazy.
2·14	·951	·940	80·0	59·5	·257	25	Calm	...	,,	5 at 2·11 P.M.	
2·19	·951	·940	80·2	59·3	·247	23	Calm	1·6	,,	4	
2·24	·953	·942	80·2	58·9	·235	22	Calm	...	,,	..	
2·29	·948	·937	80·2	58·6	·227	22	ESE	...	,,	3 at 2·27 P.M.	
2·34	·950	·938	80·3	58·6	·226	22	ESE	5·6	,,	...	
2·39	·947	·933	81·2	59·7	·248	23	SE	...	,,	2 at 2·36 P.M.	
2·44	·957	·944	81·2	59·1	·229	21	SE	...	,,	1 at 2·45 P.M.	
2·49	·951	·938	81·2	60·3	·265	24	SE	5·2	,,	..	
2·54	·952	·937	82·0	60·2	·252	22	ESE	...	,,	0	Eclipse terminated.
2·59	·954	·938	82·4	60·7	·264	24	ESE	...	,,	...	Fine weather; wind light to calm.
3·4	·958	·941	83·0	61·0	·264	23	Calm	6·0	,,	...	Fine, clear weather.
3·19	·950	·933	83·2	60·9	·260	22	ESE	1·6	,,		
3·34	·954	·937	83·1	60·7	·255	22	Calm	0·8	,,		
3·49	·954	·936	83·5	60·7	·250	21	Calm	0·4	,,		
4·4	·954	·936	83·6	62·4	·301	26	Calm	0·4	,,		

No. 5. Lat. 26° 40′ N.

MOTIHARI.

Long. 84° 57′ E.

Twenty-three miles from central line of totality. Greatest obscuration 10.

Hour. Madras time.	Barometer. Corrected and reduced to 32° F.	Barometer. Reduced to sea-level and constant gravity.	Dry bulb corrected.	Wet bulb corrected.	Aqueous vapor pressure.	Relative humidity.	Wind. Direction.	Wind. Amount since preceding interval in miles per hour.	Cloud. proportion.	Proportion of eclipse, totality 10.	Weather and other remarks.
A.M.	"	"	°	°	"	%					
11·30	29·812	30·000	73·7	62·7	·424	51	ENE	...	Nil	...	
12·0	·787	29·974	74·7	61·7	·379	44	SE	10	"	...	
P.M.											
0·15	·775	·961	75·7	62·7	·398	45	ESE	0	"	...	
0·30	·763	·949	75·7	61·7	·365	41	E	0	"	1, at 0·30 P.M.	
0·45	·753	·940	73·7	61·7	·392	47	E	0	"	2, at 0·40 P.M. 3, at 0·50 P.M.	
1·0	·748	·935	73·7	61·7	·392	47	ESE	0	"	4, at 1 P.M.	
1·15	·748	·935	72·7	62·7	·438	55	ESE	0	"	5, at 1·10 P.M. 6, at 1·20 P.M.	
1·30	·744	·931	72·7	62·7	·438	55	ESE	0	"	7, at 1·30 P.M. 8, at 1·40 P.M. 9, at 1·50 P.M.	
1·45	·742	·929	72·7	62·7	·438	55	ESE	0	"	...	
2·0	·742	·929	72·7	62·7	·438	55	ESE	0	"	10 at 2·0 P.M.	
2·15	·742	·929	72·7	62·7	·438	55	ESE	0	"	...	
2·30	·742	·929	73·7	62·7	·424	51	ESE	0	"	...	
2·45	·742	·928	74·7	63·7	·444	52	ESE	0	"	...	
3·0	·734	·920	74·7	63·7	·444	52	ESE	0	"	...	
3·15	·744	·930	74·7	63·7	·444	52	E	0	"	...	
3·30	·742	·928	74·7	63·7	·444	52	NE	0	"	...	
3·45	·742	·928	74·7	63·7	·444	52	E	0	"	...	
4·0	·742	·928	74·7	63·7	·444	52	E	0	"	...	

No. 6. Lat. 21° 9′ N. NAGPUR SANITARY COMMISSIONER'S OFFICE. Long. 79° 11 E.

Twenty-four miles from central line of totality. Greatest obscuration 10.

Hour. Madras time.	Barometer. Corrected and reduced to 32°F.	Barometer. Reduced to sea-level and constant gravity.	Dry bulb corrected.	Wet bulb corrected.	Aqueous vapour pressure.	Relative humidity.	Wind. Direction.	Wind. Amount since preceding interval, in miles per hour.	Cloud proportion.	Proportion of eclipse, totality 10.	Weather and other remarks.
	"	"	°	°	"	%					
A.M. 10-0	29·055	30·049	75·2	57·5	·256	30	N	...	*Nil*	...	Sky was clear throughout.
10-15	·050	·043	75·4	57·0	·238	27	N	1·2	,,	...	
10-30	·048	·038	76·9	58·5	·263	29	NNE	2·4	,,	...	
10-45	·048	·034	78·9	59·0	·254	25	NE	2·8	,,	...	
11-0	·046	·030	79·9	59·2	·248	24	NE	2·8	,,	...	
11-15	·040	·022	80·9	60·0	·259	24	N	4·0	,,	...	
11-30	·036	·016	81·4	60·2	·259	24	NE	22·8?	,,	...	
11-45	·028	·007	81·9	60·4	·260	23	N	4·0	,,	...	
12-0	·024	·002	82·4	60·6	·259	23	N	2·8	,,	...	
P.M. 0-5	·016	29·992	83·1	61·1	·266	23	N	3·6	,,	...	
0-10	·015	·990	83·6	61·5	·273	24	N	3·6	,,	1 at 0-12 P.M.	
0-15	·013	·988	83·8	60·5	·239	20	NE	2·4	,,	...	
0-20	·011	·986	83·3	60·5	·246	22	N	3·6	,,	2 at 0-21 P.M.	
0-25	·009	·984	83·5	61·4	·271	23	NE	2·4	,,	...	
0-30	·005	·981	83·2	61·2	·268	23	N	2·4	,,	3 at 0-29 P.M.	Sun's heat and brightness decreasing.
0-35	·001	·976	83·8	61·0	·254	21	NNE	4·8	,,	...	
0-40	·001	·976	83·4	61·2	·265	23	NE	1·2	,,	4 at 0-38 P.M.	
0-45	28·999	·975	83·7	61·5	·271	24	NE	1·2	,,	5 at 0-47 P.M.	
0-50	·997	·973	83·1	60·3	·242	21	NE	2·4	,,	...	
0-55	·995	·972	82·4	60·2	·247	22	NE	1·2	,,	6 at 0-56 P.M.	
1-0	·993	·970	82·4	59·7	·231	21	NE	3·6	,,	...	
1-5	·989	·965	82·3	61·2	·280	25	NE	1·2	,,	7	
1-10	·989	·966	81·8	60·4	·273	25	Calm	0	,,	...	
1-15	·985	·964	80·9	59·5	·244	23	Calm	1·2	,,	8 at 1-14 P.M.	
1-20	·983	·963	80·4	60·5	·282	27	NE	0	,,	9 at 1-22 P.M.	
1-25	·979	·960	79·9	61·4	·316	30	Calm	0	,,	...	Atmosphere became very dark, and at 1-28 P.M. stars became visible.
1-30	·977	·960	78·9	60·5	·300	30	Calm	0	,,		
1-35	·973	·958	77·9	60·3	·307	32	Calm	0	,,	10 at 1-33 P.M.	Totality lasted for 1 minute and 30 seconds.
1-40	·973	·959	77·7	60·4	·312	32	Calm	0	,,	9	
1-45	·973	·958	78·1	60·4	·307	32	Calm	0	,,	...	
1-50	·973	·957	78·6	61·0	·319	33	Calm	0	,,	8 at 1-49 P.M.	
1-55	·971	·954	78·9	61·3	·325	33	Calm	0	,,	7 at 1-57 P.M.	
2-0	·971	·952	79·9	61·5	·318	30	Calm	0	,,	...	
2-5	·969	·948	80·9	61·8	·315	30	Calm	0	,,	6	
2-10	·967	·945	81·5	61·4	·296	27	Calm	0	,,	...	
2-15	·967	·944	81·9	60·4	·260	23	Calm	1·2	,,	5 at 2-13 P.M.	
2-20	·967	·943	82·3	60·4	·255	22	Calm	2·4	,,	4 at 2-21 P.M.	
2-25	·967	·942	82·8	60·0	·236	21	Calm	3·6	,,	...	
2-30	·967	·942	83·0	60·2	·240	21	E	2·4	,,	3 at 2-29 P.M.	
2-35	·964	·937	83·4	61·6	·277	24	E	2·4	,,	...	
2-40	·964	·938	83·3	61·8	·285	25	Calm	1·2	,,	2 at 2-37 P.M.	
2-45	·964	·938	83·4	60·9	·256	22	SSE	1	,,	1	
2-50	·962	·936	83·7	61·0	·255	22	SE	3·6	,,	...	
2-53	·962	·935	84·0	61·5	·268	23	SE	4·0	,,	...	

No 7 Lat 25° 34′ N.

ARRAH

Long. 84° 42′ E

Thirty eight miles from central line of totality Greatest obscuration 10

Hour. Madras time.	Barometer: Corrected and reduced to 32° F	Barometer: Reduced to sea-level and constant gravity	Dry bulb corrected	Wet bulb corrected	Aqueous vapour pressure	Relative humidity	Wind: Direction	Wind: Amount since preceding interval in miles per hour	Cloud opacity	Proportion of eclipse totality 10	Weather and other remarks
A M	"	"	°	°	"	%					
10-0	29·858	30·008	67 7	59·6	405	60	W		Nil		
10-15	855	·005	68 5	59 8	399	57	SW	2 4	"		
10-30	855	·004	69 7	60 6	409	57	WNW	4 8	"		
10-45	844	29·993	70·6	61 4	420	55	W	5 2	"		
11 0	838	·987	71 7	62 1	431	56	SW				
11 15	834	·983	72 1	62 3	432	55	WSW	3·2	"		
11 30	830	979	72 9	62 8	439	55	W	2 8	"		
11-45	818	967	73 8	63 5	450	54	W	3·6	"		
12 0	814	961	74 5	63·6	444	51	SW	2 8	"		
						48		4 8	"		
P M											
0-15	810	957	74·7	63 5	438	51	W				
0 30	800	947	75 7	64 5	459	51	W	3 6	"		
0-35	802	949	75 7	64 2	448	50	SSW		"		Eclipse commenced
0 40	786	·932	75·7	64 4	455	51	W	6·0	"	1	
0-45	·786	932	75 7	63 6	428	48	W		"	3	
0-50	783	·929	75 7	63 6	428	48	W		"	3	
0 55	783	929	75·8	63 6	426	47	WSW	6 0	"	3	
									"	4	
1 0	·783	929	75·7	63 6	428	48	SW				
1 5	783	929	75·7	63·8	434	48	SW		"	4	
1 10	783	929	75 6	63 6	429	49	W		"	4·5	
1 15	783	929	75·7	64 0	441	50	W		"	4·5	
1 20	783	·929	75 5	63 6	430	48	SW	2 7	"	5	
1 25	782	·928	74 9	63 4	432	50	W		"	6	
1 30	778	924	74 7	62 8	414	48	SW		"	7	
1-35	778	·924	74 1	62 8	422	50	W	4 4	"	7	
1 40	780	927	73 7	62·6	421	51	?		"	8	
1 45	Readings could not be taken owing to darkness in the barometer room		72 7	62·6	435	55	?		"	9	
									"	10 Nearly	1 45 P M Maximum obscurity Sun a disc became quite dark and could be distinguished only by a reddish and almost geometrical line round it On the south-east of the circumference, two adjacent points of light were observed resembling very bright stars After two or three seconds these points seemed to brighten a little more but immediately after they became as they were before. In the meantime innumerable visible rays of red light darted forth round the circumference of the sun a dark disc all things were enveloped in darkness and a star appeared on the north-west of the sun These phenomena lasted for about 20 seconds
1 50	·788	·935	72 7	62 6	435	55	W	1 5	"		
1 55	776	923	72 0	62 6	443	56	W		"		
2·0	774	921	72 1	62 6	442	56	W				
2 5	772	919	72 1	62·6	438	55	W		"		
2 10	765	912	72 3	62 8	446	56	WNW	0 8	"		
2 15	769	916	72 5	63 3	460	57	W				
2·20	765	912	73 4	63 8	466	56	W	0	"		
2 25	763	910	73 7	64·0	468	56	W	0	"		
2 30	761	908	73 9	63 6	452	55	W		"		
2-35	761	907	74 7	64 3	464	54	WSW	1 8	"		Every thing looked solemn and still, extremely clear no breeze.
2 40	759	905	75·0	64 3	460	53	W				
2 45	759	905	75 4	64 0	445	50	WSW	3 6			
2 50	761	907	75 7	64 4	455	51	W		"		
2 55	·763	·909	75 7	64 1	445	50	W		"		
3 0	·761	907	75 5	63 8	437	50	WNW	3 2	"		
3 15	759	·905	75 7	64 4	455	51	W	3·6	"		Eclipse ended
3·30	759	905	75·9	64 5	456	50	W	3·6	"		
3·45	759	905	75 7	64 3	451	50	WSW	6·8	"		
4 0	763	909	75 4	64·5	463	52	W	4 4	"		

Eight miles from central line of totality. Greatest obscuration 9.

Hour.	Barometer.						Wind.				
Madras time.	Corrected and reduced to 32° F.	Reduced to sea-level and constant gravity.	Dry bulb corrected.	Wet bulb corrected.	Aqueous vapour pressure.	Relative humidity.	Direction.	Amount since preceding interval, in miles per hour.	Cloud proportion.	Proportion of eclipse, totality 10.	Weather and other remarks.
A.M.	′	″	°	°	″	%					
10·27	29·942	29·990	82·7	63·3	·323	28	SE	...	*Nil*	...	Fine weather, and clear sky during the whole day.
10·42	·915	·993	82·9	63·7	·336	30	SE	4·4	"	...	
10·57	·941	·989	84·4	64·1	·328	27	ESE	4·4	"	...	
11·12	·935	·983	85·4	64·2	·318	25	ESE	3·2	"	...	
11·27	·932	·980	86·1	64·4	·315	25	SE	4·4	"	...	
11·42	·924	·972	86·6	64·3	·305	23	NNE	6·0	"	...	
11·52	·922	·970	87·4	64·4	·293	23	SSE	1·8	"	1	
P.M.											
0·2	·922	·969	87·6	64·2	·287	22	ENE	4·8	"	2	
0·12	·918	·966	87·3	64·2	·291	23	ENE	4·8	"	3	
0·22	·910	·958	86·9	64·4	·305	23	SSE	4·2	"	4	
0·32	·904	·952	86·7	64·3	·303	23	SSE	6·0	"	5	
0·42	·900	·948	85·8	64·4	·318	25	ESE	3·6	"	6	
0·52	·893	·942	85·2	64·4	·327	26	SE	3·0	"	7	
1·2	·887	·936	83·6	64·4	·349	30	ESE	3·6	"	8	
1·12	·882	·931	82·3	63·5	·336	31	Calm	1·2		9	
1·22	·875	·924	81·2	63·6	·355	34	Calm	1·2	"	9	
1·32	·866	·915	81·3	64·9	·396	37	Calm	0	"	8	
1·42	·864	·913	82·1	66·1	·428	39	WSW	1·8	"	6	
1·52	·860	·908	82·9	66·4	·429	38	WSW	3·0	"	5	
2·2	·853	·906	83·4	66·5	·424	37	W	3·0	"	4	
2·12	·852	·900	83·9	66·6	·422	36	WSW	5·4	"	3	
2·22	·846	·894	84·5	66·5	·411	35	WSW	4·2	"	2	
2·32	·845	·893	85·0	66·9	·419	35	SW	6·6	"	1	
2·42	·839	·887	85·4	66·4	·395	33	WSW	6·0	"		
2·57	·836	·884	85·5	67·1	·417	34	WSW	6·8	"		
3·12	·834	·882	85·4	66·5	·397	33	WSW	4·8	"		
3·27	·835	·883	85·4	66·3	·392	33	WSW	7·2	"		
3·42	·837	·885	84·7	67·9	·459	38	WSW	6·0	"		
3·57	·838	·886	85·2	67·5	·438	37	W	7·2	"		
4·12	·846	·894	84·6	67·3	·438	37	WSW	7·6	"		
4·27	·851	·899	84·7	68·1	·466	39	WNW	6·0	"		

No. 9. Lat. 20° 55′ N. **AMRAOTI.** Long. 77° 43′ E.

Thirty-five miles from central line of totality. Greatest obscuration 9·8.

Hour. Madras time.	Barometer. Corrected and reduced to 32° F.	Barometer. Reduced to sea-level and constant gravity.	Dry bulb corrected.	Wet bulb corrected	Aqueous vapour pressure.	Relative humidity.	Wind. Direction.	Wind. Amount since preceding interval, in miles per hour.	Cloud proportion.	Proportion of eclipse, totality 10.	Weather and other remarks.
A.M.	″	″	°	°	″	%					
10·10	28·857	30·041	79·0	59·0	·253	25	ESE	...			
10·25	·854	037	79·3	59·1	·253	25	ESE	2·0	Nil	...	Fine clear weather; sky clear and blue, but rather hot.
10·40	·851	·030	81·0	59·5	·243	23	SSE	3·2	"	...	
10·55	·850	·029	81·0	59·9	·243	22	E	4·8	"	...	Fine clear weather; sky clear; sky over head blue.
11·10	·846	·027	80·5	59·5	249	24	S	4·4	"	...	Ditto ditto.
11·25	·836	012	82·0	60·0	·246	22	SSE	5·6	"	...	The sky overhead was the same as above, but near the horizon to NNE, WNW and WSW, the colour of the sky was darkish
11·40	·834	·010	82·0	60·1	·248	22	ESE	1·6	"	...	
11·55	·828	·001	83·1	60·1	·235	21	ESE	3·2	"	...	Horizon to NNW and ENE was of dark colour.
P.M.											
0·10	·824	29·997	83·1	60·1	·235	21	SSW	0·8	"	...	Ditto ditto.
0·15	·818	·991	83·2	60·9	·258	21	WSW	0			Sky over head deep blue, horizon as before; eclipse commenced from SW. at 0·5 P.M., sun hot.
0·20	·813	·985	83·5	60·2	·233	20	WSW	1·2	"	2	
0·25	·810	981	83·5	60·3	·237	21	ESE	4·8	"	2	Colour of sun natural, colour of the sky as before.
0·30	·808	·978	84·1	60·9	·248	21	ESE	3·6	"	3	
0·35	·806	·977	83·5	60·7	249	21	ESE	2·4	"	4	
0·40	·804	976	83·1	59·9	·229	21	ENE	1·2	"	4	Ditto ditto.
0·45	798	975	82·9	60·1	·238	21	ENE	0	"	5	
0·50	794	968	82·9	61·5	·280	25	ENE	0	"	5	
0·55	·794	972	82·3	60·1	·246	22	ESE	0	"	5	
1·0	·792	·966	82·5	60·9	·268	24	ESE	0	"	6	No cloud; sun's rays mild.
1·5	·791	965	82·5	61·5	·286	25	ESE	0	"	7	Ditto colour of the sky as before.
1·10	·787	961	82·0	60·5	·262	24	ESE	0	"	7	Calm.
1·15	787	·962	81·6	60·3	260	23	ESE	0	"	8	Calm, colour of the sky as before; sun's rays mild and day light much diminished.
1·20	·787	·963	81·2	60·1	·259	24	ESE	3·6	"	8	
1·25	781	·958	80·4	60·1	·270	25	SSE	0	"	9	
1·30	·781	·959	80·0	60·3	·280	27	SSE	0	"	9·8	
1·35	·781	·961	79·4	60·1	·281	27	SSE	0	"	9·0	One star appeared near the sun; sun's rays disappeared and darkness prevailed as in evening; air cool.
1·40	779	·959	79·4	59·5	262	26	SSE	1·2	"	8	Sun very mild; light increasing rapidly.
1·45	782	962	79·4	59·2	·255	25	SSE	3·6	"	7	
1·50	·776	954	80·2	59·1	·241	23	SSE	3·6	"	7	
1·55	·774	·951	80·6	59·5	·248	24	SSE	0	"	7	
2·0	·774	·950	80·8	59·5	·245	23	SSE	3·6	"	7	Colour of the sky as before.
2·5	·776	·952	81·0	59·9	·255	24	SSE	1·2	"	6	
2·10	·774	950	81·0	59·9	·255	24	SSE	7·2	"	6	
2·15	·776	·950	82·0	59·8	·240	22	SSE	2·4	"	5	
2·20	773	·948	81·6	60·1	·254	23	SSE	1·2	"	5	
2·25	·774	947	81·6	60·2	·256	23	SSE	2·4	"	4	
2·30	775	·949	82·0	59·9	243	22	SSE	8·4	"	3	
2·35	·774	·947	82·5	60·1	242	22	SSE	1·2	"	2	
2·40	·774	·942	83·4	61·0	·258	22	WSW	4·8	"	1	
2·45	·770	·939	84·0	61·1	254	21	SSE	0	"	0·4	
2·50	772	·941	84·1	61·1	·254	21	SSE	0	"	...	Eclipse terminated.
2·55	·774	944	83·3	60·1	·233	21	SSE	1·2	"	...	
3·10	·774	·942	84·3	61·0	·248	20	S	0·4	"	...	
3·25	·774	·943	84·1	60·9	248	21	S	4·4	"	...	
3·40	776	·944	84·4	61·3	·256	21	ENE	2·0	"	...	
3·55	776	·944	84·5	61·7	·267	22	SSE	1·2	"	...	
4·10	·778	·947	84·1	60·9	·248	21	ESE	2·8	"	...	

No. 10. Lat. 26° 7′ N. MUZAFFARPUR. Long. 85° 30′ E.

Thirty-five miles from central line of totality. Greatest obscuration 9.

Hour.	Barometer.		Dry bulb corrected.	Wet bulb corrected.	Aqueous vapour pressure.	Relative humidity.	Wind.		Cloud proportion.	Weather and other remarks.
Madras time.	Corrected and reduced to 32° F.	Reduced to sea-level and constant gravity.					Direction.	Amount since preceding interval, in miles per hour.		
A.M.	"	"	°	°	"	%				
9·39	29·281	30·074	66·9	59·9	·424	64	Calm	..	Nil	Blue sky. Fine clear weather.
9·54	·881	·020	68·4	60·4	·420	60	ESE	1·6	"	Ditto.
10·9	·873	·012	69·4	60·9	·423	59	ESE	2·8	"	Ditto.
10·24	·866	·005	70·7	61·7	·431	57	SSE	...	"	Ditto.
10·39	·863	·001	72·1	61·4	·403	51	ESE	...	"	Ditto.
10·54	·852	29·990	72·7	61·7	·404	51	SSE	4·8	"	Ditto.
11·9	·843	·980	73·9	62·4	·412	49	ESE	6·4	"	Ditto.
11·24	·840	·977	74·1	62·7	·419	50	ESE	5·2	"	Ditto.
11·39	·827	·964	74·4	62·1	·376	46	SSW	...	"	Ditto.
11·54	·824	·961	74·9	62·4	·378	45	SSE	2·8	...	Ditto.
P.M.										
0·9	·809	·946	75·1	62·7	·405	46	Calm	5·2	...	Ditto.
0·24	·803	·940	75·4	62·4	·392	44	SSE	2·0	Nil	
0·39	·803	·940	75·1	62·7	·405	46	...	...	"	
0·54	·803	·940	75·1	62·9	·412	47	...	...	"	
0·59	·801	·938	75·4	62·9	·408	46	SSE	4·8	"	
0·14	·801	·938	75·4	62·4	·392	44	...	...	...	Dark partially to NNE.
0·49	·801	·938	75·1	62·1	·386	44	...	...	"	
0·54	·799	·935	75·1	62·1	·386	44	SSE	1·2	...	
0·59	·796	·932	74·9	61·9	·382	44	...	...	...	
1·4	·796	·932	74·9	61·9	·375	43	...	...	...	
1·9	·795	·931	74·4	61·1	·364	42	SSE	...	...	Dark, gloomy, from E to NNW.
1·14	·796	·932	74·4	61·1	·364	42	...	...	...	
1·19	·795	·931	73·9	61·1	·370	44	...	...	...	
1·24	·795	·931	73·9	61·1	·370	44	SSW	1·2	...	
1·29	·797	·934	72·9	61·9	·408	51	...	...	...	
1·34	·800	·938	71·7	61·9	·424	55	...	..	...	Dark. At 1·35 P.M. the sun appeared like a small, deep red ball, even after it was dark and a star was visible for about 10 minutes. Greatest obscuration was nine tenths.
1·39	·798	·936	69·9	61·9	·448	61	Calm	3·6	...	
1·54	·793	·931	69·7	62·7	·478	66	Calm	0·4	...	
2·9	·788	·925	71·1	62·9	·465	61	Calm	0·4	...	
2·24	·784	·921	73·4	63·4	·452	55	Calm	0·8	...	
2·39	·784	·920	74·4	62·9	·422	50	SSW	2·2	...	
2·54	·784	·920	74·4	62·9	·422	50	SSW	...	...	
3·9	·782	·918	74·4	62·7	·415	49	SSW	1·8	...	
3·24	·782	·918	74·4	62·7	·415	49	Calm	0	...	
3·39	·780	·916	74·1	62·7	·419	50	Calm	0·8	...	

No. 11. Lat. 25° 20′N. **BENARES.** Long. 83° 2′ E.

Thirty-five miles from central line of totality. Greatest obscuration 9.

Hour. Madras time.	Barometer. Corrected and reduced to 32 F.	Barometer. Reduced to sea-level and constant gravity.	Dry bulb corrected.	Wet bulb corrected.	Aqueous vapour pressure.	Relative humidity.	Wind. Direction.	Wind. Amount since preceding interval, in miles per hour.	Cloud proportion.	Proportion of eclipse, totality, 10	Weather and other remarks.
A.M.	″	″	°	°	″	%			″		
9·49	29·805	30·039	68·8	56·5	·294	42	W	...	*Nil*		
10·4	·801	·034	70·1	57·6	·311	43	WNW	7·6			
10·19	·796	·028	71·0	57·8	·305	41	W	7·2	,,		
10·34	·789	·021	71·3	57·9	·302	40	NW	5·6	,,		
10·49	·786	·018	72·2	58·1	·298	38	WNW	6·4	,,		
11·4	·782	·013	73·2						,,		
11·19	·777	·007	74·6	58·9	·308	38	WNW	8·4			
11·34	·767	29·997	74·8	60·2	·330	38	W	4·8	,,		
11·49	·762	·992	75·3	59·8	·316	37	WNW	5·6	,,		
				59·8	·310	35	WNW	6·8	,,		
P.M.									,,		
0·4	·757	·986	76·4	60·8	·326	36	W	6·8			
0·19	·751	·980	77·0	60·4	·306	34	WSW	6·8	,,		
0·29	·743	·971	77·3	60·8	·314	34	WNW	12·6	,,		
0·34	·738	·966	77·3	60·8	·314	34	...	...	,,	1	0·14 P.M. Eclipse began from SE.
0·39	·734	·962	77·3	60·8	·314	34	...	...	,,	1	
0·44	·734	·962	77·3	60 8	·314	34	W	8·4	,,	1	
0·49	·732	·960	77·2	60·8	·314	34	...	...	,,	2	
0·54	·732	·960	77·1	60·8	·316	34	WSW	11·4	,,	2	
0·59	·732	·960	77·1	60 9	·320	35	...	...	,,	2	0·49 P.M. sky assumed a light copper hue, and westerly breeze sprang up lasting for a short time. The copper colour deepened with the increase of the eclipse.
1·4	·730	·958	77·1	61·1	·326	35	W	7·2			
1·9	·730	·958	77·0	61·1	·327	35	...	...	,,	3	
1·14	·727	·955	76·8	60·8	·320	35	W	7·8	,,	3	
1·19	·723	·951	76·7	60 8	·320	35	...	...	,,	4	
1·24	·721	·949	76·4	60 9	·331	36	WSW	4·8	,,	5	
1·29	·721	·949	76·1	61·0	·338	38	...	...	,,	6	
1·34	·719	·948	75·0	60·2	·326	37	WNW	10·2	,,	8	
1·39	·718	·947	74·8	60·2	·328	38	...	...	,,	9	
									,,	8·8	
1·44	·716	·947	72·4	60·8	·380	48	WNW	6·0			1·39 P.M. dimness overspread the earth lasting for about 30 seconds. After this flashes of light began to come out from the sun at short intervals. Two stars were visible one to the west and the other just below the sun towards SSE; there disappeared at 1·41 P.M. when the portion of sun not obscured was more than 1...
1·49	·714	·946	72·3	60·8	·381	48	...	...	,,	8	
1·54	·712	·943	72·0	60·9	·388	50	W	7·8	,,	8	
1·59	·712	·943	72·2	61·1	·392	50	...	...	,,	7	
									,,	6	
2·4	·712	·943	72·3	61·0	·387	49	W	4·8			
2·9	·710	·940	73·0	60·9	·394	46	...	...	,,	6	
2·14	·710	·940	73·3	60·2	·349	43	WNW	7·2	,,	5	
2·19	·710	·939	74·7	60·8	·347	40	...	...	,,	3	
2·24	·708	·937	74·8	60 8	·347	40	WNW	3·6	,,	2	
2·29	·708	·937	75·0	60·8	·334	40	...	...	,,	2	
2·34	·706	·934	76·2	61·6	·355	40	WNW	1·8	,,	1	
2·39	·703	·931	77·0	62·1	·359	39	WNW	2·4	,,	1	
2·44	·703	·931	77·2	62·1	·358	39	...	...	,,	1	
2·49	·701	·928	77·5	62·1	·351	37	WNW	5·4	,,		
2·54	·703	·930	78·0	61·8	·337	35	...	...	,,		
2·59	·703	·930	78·2	62·1	·345	36	...	...	,,	...	
3·4	·707	·934	78·5	62·0	·337	34	WNW	4·4			At 3 P.M. the eclipse ended; the eclipse was not completely total, a crescent of the sun just like of the new moon was left on the NE.
3·9	·709	·936	78·6	61·8	·329	33	...	...	,,		
3·14	·711	·938	78·6	61·3	·314	31	...	...	,,		
3·19	·711	·938	78·4	61·2	·318	32	W	5·6	,,		
3·24	·711	·938	78·5	61·8	·332	34	...	...	,,		
3·29	·711	·938	78·5	61·8	·331	34	...	...	,,		
3·34	·710	·937	78·6	61·8	·331	34	WNW	5·2	,,		
3·39	·712	·939	78·6	61·9	·332	34	...	...	,,		
3·44	·712	·939	78·6	61·8	·329	33	...	...	,,		
3·49	·711	·938	78·6	61·5	·325	33	...	...	,,		
3·54	·711	·938	78·6	61·6	·322	33	WNW	6·9	,,		

No. 12. Lat. 24° 55′ N. DEHRI. Long. 84° 3′ E.

Forty-five miles from central line of totality. Greatest obscuration 9.

Hour. Madras time.	Barometer. Corrected and reduced to 32° F.	Barometer. Reduced to sea-level and constant gravity.	Dry bulb corrected.	Wet bulb corrected.	Aqueous vapour pressure.	Relative humidity.	Wind. Direction	Wind. Amount since preceding interval, in miles per hour.	Cloud proportion.	Proportion of eclipse, totality 10.	Weather and other remarks.
A.M.	"	"	°	°	"	%					
10-0	29·695	30·015	69·6	59·8	·376	53	SSW	—	*Nil*	...	
10-15	·693	·008	74·1	59·5	·316	38	SW	10·4	"	...	
10-30	·691	·005	75·1	59·5	·303	35	WSW	5·2	"	...	
10-45	·682	29·995	76·1	60·5	·321	30	WSW	4·0	"	...	
11-0	·674	·987	76·1	62·5	·386	44	SSW	0·8	"	...	
11-15	·663	·975	77·1	62·5	·373	41	SW	9·2	"	...	
11-30	·651	·973	78·1	61·5	·327	34	SW	5·2	"	...	
11-45	·639	·950	79·1	61·5	·314	32	SW	10·8	"	...	
12-0	·636	·946	80·1	61·5	·300	30	WSW	10·8	"	...	
P.M.											
0-15	·635	·944	81·0	61·5	·287	28	SW	9·2	"	...	Fine clear weather and blue sky.
0-25	·629	·938	81·0	61·5	·287	28	SW	9·0	"	1	
0-30	·627	·936	81·0	62·0	·304	29	SW	8·4	"	2	
0-35	·623	·932	81·0	62·0	·304	29	WSW	14·4	"	2	
0-40	·623	·932	81·0	62·0	·304	29	W	12·0	"	3	
0-45	·621	·930	81·0	60·5	·275	25	W	7·2	"	3	
0-50	·621	·931	80·1	60·5	·268	27	W	13·2	"	3	
0-55	·619	·929	80·1	60·0	·252	25	W	10·8	"	4	
1-0	·615	·925	80·1	60·0	·252	25	SW	13·2	"	4	
1-5	·607	·917	80·1	60·0	·252	25	W	8·4	"	5	
1-10	·607	·917	80·1	60·0	·252	25	WSW	7·2	"	5	
1-15	·607	·918	79·6	60·0	·259	26	SSW	8·4	"	6	
1-20	·605	·916	79·1	60·0	·265	27	SW	10·8	"	7	
1-25	·603	·915	78·6	59·5	·256	27	SW	12·0	"	7	Fine clear weather and dark blue sky.
1-30	·601	·913	78·1	59·0	·247	26	SW	10·8	"	8	
1-35	·599	·911	78·1	59·0	·247	26	SW	9·6	"	8	Do do. blue sky and dark.
1-40	·599	·911	77·1	58·5	·246	27	SW	7·2	"	9	
1-45	·597	·910	76·6	58·5	·252	28	SW	4·8	"	9	
1-50	·597	·910	76·1	58·5	·259	29	SW	2·4	"	9	Do do. and dark blue sky.
1-55	·595	·908	76·1	58·5	·259	29	SW	4·8	"	8	
2-0	·599	·912	76·1	58·5	·259	29	SW	3·6	"	7	
2-5	·599	·912	76·1	59·5	·290	33	SW	2·4	"	6	
2-10	·601	·914	76·1	59·5	·290	33	WSW	2·4	"	5	
2-15	·605	·917	77·1	60·0	·292	39	SW	4·8	"	4	
2-20	·605	·917	77·6	59·5	·270	28	SW	6·0	"	3	
2-25	·603	·915	78·1	59·5	·263	21	W	7·2	"	3	Do do. blue sky.
2-30	·601	·913	78·1	60·5	·294	39	SW	3·6	"	2	
2-35	·593	·904	79·1	60·5	·281	29	WSW	3·6	"	2	
2-40	·589	·900	79·1	60·5	·281	21	SW	4·8	"	1	
2-45	·589	·899	79·6	61·5	·288	31	W	4·8	"	1	
2-50	·589	·899	80·1	62·0	·316	31	SW	7·2	"	1	
2-55	·589	·899	80·1	62·0	·316	31	W	7·2	"	1	
3-0	·593	·903	80·1	61·0	·284	28	W	3·6	"	...	Eclipse terminated at 3 P.M.
3-15	·595	·905	80·1	60·5	·268	27	W	17·2	"	...	
3-30	·599	·909	80·1	60·5	·268	27	SW	10·8	"	...	
3-45	·596	·906	80·1	60·5	·268	27	SW	9·2	"	...	
4-0	·598	·908	80·1	60·5	·263	27	SW	10·0	"	...	

No. 13. Lat 20° 42′ N. AKOLA. Long. 77° 4′ E.

Forty-eight miles from central line of totality. Greatest obscuration 9.

Hour.	Barometer.						Wind				
Madras time	Corrected and reduced to 32° F.	Reduced to sea-level and constant gravity.	Dry bulb corrected.	Wet bulb corrected.	Aqueous vapour pressure.	Relative humidity.	Direction.	Amount since preceding interval, in miles per hour.	Cloud proportion.	Proportion of eclipse, totality 10.	Weather and other remarks.
A.M.	″	″	°	°	″	%					
10·13	29·150	30·049	75·8	55·9	·184	21	SE	...	*Nil*	...	Weather fine throughout 10·13 A.M. to 4·13 P.M.
10·23	·149	·047	76·0	56·1	·188	21	E	4·8	,,	...	
10·28	·152	·049	76·4	56·3	·189	21	Calm	3·6	,,	...	
10·31	·154	·050	...	...	...	...	..	...	,,	...	
10·33	·154	·050	77·4	57·3	·205	22	Calm	2·4	,,	...	
10·38	·153	·049	77·7	57·3	·200	21	Calm	2·4	,,	...	
10·43	·154	·049	78·1	57·7	·207	22	Calm	2·4	,,	...	
10·48	·152	·046	78·7	58·1	·212	22	Calm	1·2	,,	...	
10·53	·145	·037	...	...	...	...	Calm	2·4	,,	...	
10·58	·143	·033	79·8	59·3	·233	23	SE	1·2	,,	...	
11·3	·144	·031	...	...	...	...	Calm	3·6	,,	...	
11·8	·145	·035	..	...	...	...	Calm	2·4	,,	.	
11·13	·142	·032	80·0	58·7	·214	21	SE	2·4	,,	...	
11·18	·138	·027	...	...	...	...	Calm	0	,,	...	
11·23	·137	·025	...	...	...	...	NE	2·4	,,	...	
11·28	·133	·020	81·0	59·4	·221	21	Calm	4·8	,,	...	
11·33	·130	·017	.	...	...	...	Calm	0	,,	...	
11·38	·126	·013	...	..	...	...	SE	1·2	,,	...	
11·43	·124	·011	81·1	58·0	·177	17	E	3·6	,,	...	
11·48	·122	·008	...	...	...	...	Calm	3·6	,,	...	
11·53	·120	·005	...	...	...	...	Calm	1·2	,,	...	Eclipse commenced from south-west part of sun's disc.
11·58	·121	·005	82·7	60·4	·230	20	Calm	0	,,	1	
P.M.											
0·3	·117	·000	...	...	...	...	E	1·2	,,	1·5	
0·8	·115	29·997	83·3	59·8	·202	18	Calm	3·6	,,	...	
0·13	·108	·990	83·5	60·6	·225	20	Calm	2·4	,,	2	
0·18	·106	·989	82·5	58·7	·178	16	ESE	0	,,	...	
0·23	·103	·986	83·0	59·5	·197	18	ENE	4·8	,,	2·5	
0·28	·099	·982	82·9	58·9	·180	16	NE	3·6	,,	3	
0·33	·097	·981	82·7	59·7	·208	19	Calm	3·6	,,	...	
0·38	·093	·977	82·7	60·5	·260	22	NW	1·2	,,	3·5	
0·43	·091	·974	83·1	60·3	·222	19	Calm	1·2	,,	4	
0·48	·090	·973	82·7	60·1	·221	21	E	1·2	,,	5	
0·53	·084	·966	82·9	60·8	·240	22	Calm	2·4	,,	5·5	
0·58	·080	·962	82·3	59·4	·203	19	Calm	1·2	,,	6	
1·3	·078	·960	82·2	59·8	·217	20	Calm	1·2	,,	6·5	
1·8	·076	·958	82·8	60·2	·238	22	NW	1·2	,,	7	
1·13	·077	·960	81·7	60·1	·234	22	Calm	0	,,	7·5	
1·18	·073	·957	81·5	60·4	·246	23	Calm	0	,,	8	
1·23	·071	·955	81·2	59·4	·218	20	Calm	1·2	,,	9	One star appeared to the north-west at the time of greatest obscurity, the heat of sun was hardly felt, and sun light appeared feeble like twilight.
1·28	·067	·952	80·8	60·8	·267	26	Calm	0	,,	8·5	
1·33	·072	·959	...	...	...	...	Calm	0	,,	8	The star disappeared.
1·38	·074	·962	79·5	60·6	·279	28	Calm	0	,,	7	
1·43	·071	·959	79·7	60·9	·285	28	Calm	0	,,	6	
1·48	·065	·952	80·1	61·0	·284	28	Calm	0	,,	5	
1·53	·070	·956	80·4	61·4	·293	28	Calm	0	,,	4	
1·58	·067	·952	81·1	60·8	·263	25	Calm	0	,,	3	
2·3	·071	·955	81·5	60·2	·240	22	Calm	0	,,	2·5	
2·8	·066	·949	81·9	59·5	·212	20	Calm	0	,,	2	
2·13	·060	·943	82·0	59·6	·214	20	Calm	0	,,	1·5	
2·18	·059	·941	82·4	59·7	·213	19	Calm	1·2	,,	...	
2·23	·059	·941	82·6	60·1	·222	20	Calm	0	,,	1	
2·28	·057	·938	82·9	60·3	·224	20	Calm	1·2	,,	...	
2·33	·055	·937	83·1	60·2	·218	19	Calm	0	,,	0·5	
2·38	·057	·938	83·7	60·5	·220	20	Calm	1·2	,,	..	
2·43	·058	·938	84·1	61·0	·230	20	Calm	2·4	,,	Slight.	Clear, no shadow on the sun.
2·48	·058	·937	84·7	62·1	·258	22	Calm	0	,,	...	
2·53	·057	·934	85·5	61·4	·235	18	E	2·4	,,	...	
2·58	·059	·935	85·9	61·7	·229	19	Calm	1·2	,,	...	
3·3	·057	·933	...	...	...	...	Calm	1·2	,,	...	
3·8	·058	·935	...	...	...	...	Calm	1·2	,,	...	
3·13	·058	·935	85·2	60·6	·203	17	Calm	0	,,	...	
3·18	·056	·933	...	...	...	...	E	1·2	,,	...	
3·23	·058	·936	..	...	...	...	Calm	3·0	,,	...	
3·28	·060	·939	84·7	59·9	·188	15	ENE	4·8	,,	...	
3·33	·062	·934	...	...	...	...	Calm	1·2	,,	..	
3·38	·064	·936	...	...	...	...	NE	1·2	,,	...	
3·43	·064	·931	86·7	62·6	·247	20	Calm	1·2	,,	...	
3·48	·064	·939	...	..	...	...	Calm	1·2	,,	...	
3·53	·065	·940	...	...	...	...	Calm	2·4	,,	...	
3·58	·064	·938	86·8	62·1	·230	18	Calm	3·6	,,	...	
4·3	·062	·936	...	...	...	...	Calm	2·4	,,	...	
4·8	·064	·939	...	...	...	...	SE	3·6	,,	...	
4·13	·064	·939	86·5	61·5	·215	17	Calm	4·8	,,	...	

No. 14. Lat. 23° 9′ N. JUBBULPORE. Long. 79° 59′ E.

Fifty miles from central line of totality. Greatest obscuration 9.5.

Hour.	Barometer.						Wind.				
Madras time.	Corrected and reduced to 32°F.	Reduced to sea-level and constant gravity.	Dry bulb corrected.	Wet bulb corrected.	Aqueous vapour pressure.	Relative humidity.	Direction.	Amount since preceding interval, in miles per hour.	Cloud proportion.	Proportion of eclipse, totality 10.	Weather and other remarks.
A. M.	"	"	°	°	"	%					
10·1	28·743	30·073	67·0	55·9	·311	47	SSE	...	*Nil*	...	Clear.
10·16	·743	·071	67·8	56·6	·322	47	SE	1·6	"	...	
10·31	·737	·057	70·2	58·2	·338	45	Calm	1·2	"	...	
10·46	·734	·053	70·5	57·7	·320	43	WNW	1·2	"	...	
11·1	·728	·041	72·8	58·4	·311	38	SE	0·8	"	...	
11·16	·722	·034	73·2	59·2	·331	40	WNW	0·4	"	...	Hazy.
11·31	·723	·032	74·4	59·6	·328	38	NNE	2·0	"	...	
11·46	·717	·025	74·6	59·7	·328	38	NNW	1·6	"	...	
11·55	·709	·015	75·0	59·8	·327	37	Calm	2·7	"	...	
12·0	·704	·009	75·2	59·8	·323	37	NW	7·2	"	...	
P. M.											
0·5	·703	·008	75·4	60·0	·327	37	NNW	4·8	"	...	Eclipse commenced from S. W.
0·10	·703	·006	75·9	60·2	·328	36	NNW	9·6	"	1	
0·15	·700	·003	76·4	60·2	·322	35	WNW	7·2	"	...	Light gale. Colour of sky became light and sun light diminishing.
0·20	·698	·001	76·5	60·3	·324	35	NW	7·2	"	2	
0·25	·699	·000	77·4	61·0	·333	35	NNW	16·8	"	...	
0·30	·693	29·993	77·7	61·1	·334	35	WNW	6·0	"	3	
0·35	·689	·988	77·8	61·2	·336	35	WNW	4·8	"	3	
0·40	·688	·987	77·6	61·3	·340	35	NW	6·0	"	3	
0·45	·686	·986	77·4	61·4	·346	36	WNW	7·2	"	4	
0·50	·682	·982	77·2	61·0	·337	36	NNW	6·0	"	4	
0·55	·681	·982	77·0	60·7	·329	35	NW	4·8	"	4	Sky pale and dull and daylight much diminished.
1·0	·676	·978	76·8	60·5	·326	35	NW	8·4	"	5	
1·5	·672	·974	76·6	60·3	·322	35	Calm	1·2	"	5	
1·10	·670	·973	76·2	60·1	·321	36	Calm	1·2	"	6	
1·15	·670	·973	75·8	60·2	·330	37	NNE	8·4	"	...	
1·20	·667	·970	75·2	60·2	·337	38	NE	8·4	"	7	
1·25	·664	·970	74·2	60·0	·313	40	N	2·4	"	...	
1·30	·663	·970	74·1	60·0	·344	41	Calm	1·2	"	8	Sky gloomy and air perfectly still.
1·35	·662	·971	73·4	60·0	·352	43	NW	4·8	"	...	
1·40	·658	·969	72·6	60·2	·368	45	Calm	1·2	"	9·5	Planet Venus appeared near the sun and other stars became slightly visible.
1·45	·656	·969	72·0	60·2	·376	48	Calm	0	"	...	Weather cool and gloomy.
1·50	·657	·971	71·2	60·6	·399	53	Calm	0	"	...	
1·55	·659	·970	72·6	60·4	·376	46	Calm	0	"	...	
2·0	·659	·969	73·0	61·0	·389	48	Calm	0	"	6	
2·5	·657	·965	73·8	61·2	·385	46	Calm	0	"	5	
2·10	·653	·959	74·2	60·8	·366	43	NW	2·4	"	...	
2·15	·651	·955	75·0	60·8	·358	41	NNW	4·8	"	4	
2·20	·651	·954	75·4	60·4	·340	38	NW	1·2	"	...	
2·25	·650	·953	76·0	60·3	·329	36	Calm	1·2	"	2	
2·30	·649	·950	76·2	60·2	·324	36	N	2·4	"	...	
2·35	·649	·948	77·0	60·4	·321	34	NNE	3·6	"	...	
2·40	·649	·947	77·2	60·5	·322	34	Calm	1·2	"	...	
2·45	·651	·950	77·4	60·5	·317	34	NNE	2·4	"	1	At 2·56 P.M. eclipse terminated
2·48	·646	·942	78·0	60·7	·317	33	N	6·0	"	...	
3·3	·648	·942	78·5	61·0	·320	33	NNE	1·6	"	...	
3·18	·651	·943	79·2	61·2	·318	32	SE	3·2	"	...	
3·33	·651	·944	79·2	61·2	·318	32	ESE	2·0	"	...	
3·48	·650	·943	79·2	61·2	·318	32	NNE	2·0	"	...	
4·1	·650	·943	79·2	61·2	·314	32	NE	2·8	"	...	

No. 15. Lat. 17° 41′N SHOLAPUR. Long. 75° 56 E

Fifty-four miles from central line of totality Greatest obscuration 9

Hour	Barometer						Wind			
Madras time.	Corrected and reduced to 32° F	Reduced to sea level and constant gravity	Dry bulb corrected	Wet bulb corrected	Aqueous vapour pressure.	Relative humidity	Direction	Amount since preceding interval in miles per hour	Cloud proportion	Weather and other remarks
A M	"	"	°	°	"	%				
10·17	28 463	30 027	75 7	58 1	263	30	SE		*Nil*	The sky throughout the day was clear and of usual blue colour
10 32	466	·019	77 5	58 3	249	26	SE	8 6	"	
10 47	465	021	76 5	57 8	249	28	SE	8 8	"	
11 2	460	013	77 6	59·1	239	29	SE	10 6	"	
11 17	451	·000	78 7	59 3	230	26	ESE	8 3	"	
11·32	451	·000	78 7	59 9	253	25	SE	10·0	"	
11·47	440	29 985	79·8	59 3	252	24	ESE	9 2	"	The first contact was observed about 11 50 A M from SW
11 52	439	983	80 0	59·1	242	23	SE	7 0	"	
11 57	439	981	80 7	59 3	239	22	SE	10·8		During the eclipse the sky remained clear and blue while the distant horizon around looked white and of leaden hue for about an hour during the process of obscuration Only one star was seen to the S W near the sun about one-fourth of the distance between the sun and horizon Objects appeared just as after setting of a quarter or half moon and there was sufficient light to view the surroundings Two owls, however, during greatest obscuration came outside their nest but retired again when the eclipse was nearly over During the obscuration a gentle cool breeze blew, the coolness being due to the subdued rays of the sun and a shadow as of sea waves was seen rippling along the ground
P M										
0·2	437	988	80 7	59·3	239	22	ESE	11 0	"	
0 7	434	974	81 2	59·3	233	21	ESE	14 4	"	
0 12	431	974	80·2	59 3	245	23	ESE	9 6	"	
0·17	426	966	80 0	59 3	239	22	ESE	9 6	"	
0 22	424	·965	80 8	58 3	210	19	NE	9 6	"	
0·27	420	961	80 8	58 5	·216	20	ESE	10·2	"	
0 32	417	954	82 1	59 0	215	20	SE	10 4		
0·37	412	953	80 7	59 2	238	22	ESE	7 0		
0·42	412	950	81 7	58 2	195	18	ESE	6 7	"	
0 47	409	947	81 2	58 0	196	18	E	6 8		
0·52	409	946	81 5	58 5	207	20	ESE	13 2	"	
0·57	405	945	80·7	57·8	195	19	ESE	17 9	"	
1·2	404	946	79 9	58 2	218	20	ESE	10·1		
1·7	401	943	79 9	58 2	218	21	ESE	8 6	"	
1 12	400	943	79·7	57 7	206	20	ESE	9 0	"	
1 17	398	941	79 6	58 2	220	21	ESE	6·5	"	
1 22	394	939	79 0	57 8	·218	21	ESE	7 4	"	Greatest phase at about 1·22 P M
1 27	391	937	78 7	57·6	215	22	ESE	8 9		
1 32	388	·934	78 7	57 7	218	22	ESE	8 8	"	
1 37	385	929	79 4	57 3	198	19	E	6 4	"	
1 42	383	925	79 9	57·4	195	18	E	7·7	"	
1·47	·382	924	80 0	57 5	197	19	E	7·9		
1 52	379	919	80 2	57 6	197	19	E	7 7	"	
1 57	378	918	80·4	57 4	188	18	E	10·3	"	
2 2	375	912	81 3	58 0	194	18	E	6·4		
2 7	373	909	81 5	58 3	201	18	ENE	8 0		
2 12	375	912	81 3	58 3	203	19	E	8 8		
2·17	375	·912	81 3	59 0	224	19	ENE	13 3	"	
2 22	373	907	82·2	58 6	201	19	SE	10 2		
2 27	370	903	82 8	59 3	214	19	ESE	10 7	"	
2 32	368	903	81 9	59·1	220	19	E	10 7		
2 37	365	898	82 8	59 4	216	19	E	10 0	"	
2 42	365	896	81 4	59 8	222	20	SE	10·1	"	Last contact at about 2 4 P M
2 47	365	897	83·0	59 5	218	20	ESE	9 6	"	
3 2	363	·893	83 6	59·7	216	19	ESE	16·4	"	
3 17	363	892	84 0	59·4	203	17	NE	13 2		
3 32	360	889	83 9	59 5	·205	18	NE	17·8		
3 47	362	889	84 6	59·9	211	18	E	21 0	"	
4 2	364	890	84 9	59·3	189	15	NE	19 3	"	
4 17	367	894	84 8	61 3	251	21	ENE	17 0	"	

No. 16. Lat. 25° 37′ N. PATNA. Long. 85° 14′ E.

Fifty-eight miles from central line of totality. Greatest obscuration 9·8.

Hour. Madras time.	Barometer. Corrected and reduced to 32° F.	Barometer. Reduced to sea-level and constant gravity.	Dry bulb corrected.	Wet bulb corrected.	Aqueous vapour pressure.	Relative humidity	Wind. Direction.	Wind. Amount since preceding interval, in miles per hour.	Cloud proportion.	Proportion of eclipse, totality 10.	Weather and other remarks.
A.M.	"	"	°	°	"	%					
9-40	29·875	30·019	65·8	57·2	·356	56	W	...	*Nil*	...	Fine clear weather and sky bluish colour.
9-55	·879	·023	66·5	57·4	·353	54	W	1·6	"	...	Do. do.
10-10	·875	·019	67·3	57·6	·348	52	Calm	0	"	...	Do. do.
10-25	·871	·015	67·9	59·2	·389	57	Calm	0	"	...	Do. do.
10-40	·868	·011	68·8	59·9	·397	56	Calm	0	"	...	Do. do.
10-55	·861	·004	69·5	60·7	·415	58	Calm	0	"	...	Do. do.
11-10	·853	29·995	71·0	60·6	·390	51	Calm	0	"	...	Do. do.
11-25	·841	·983	71·5	61·9	·427	56	WSW	0·4	"	...	Do. do.
11-40	·834	·976	72·1	61·0	·390	50	Calm	0	"	...	Near the horizon, towards the river side scenery calm and quiet.
1-50	·829	·971	72·9	62·0	·410	51	SW	1·2	"	...	
12-0	·822	·964	73·3	62·2	·413	51	SW	0·6	"	...	
P.M. 0-10	·814	·956	73·5	62·1	·406	49	S	1·2	"	...	
0-20	·809	·951	73·6	62·2	·408	49	SW	0·6	"	...	Eclipse commenced 0-22 P.M.
0-25	·805	·946	74·5	62·3	·400	46	S	1·2	"	1	
0-30	·803	·944	74·5	62·3	·400	46	W	3·6	"	1·5	
0-35	·803	·944	74·6	62·3	·399	46	SW	1·2	"	2	
0-40	·801	·942	74·5	61·8	·384	44	W	1·2	"	2·5	
0-45	·798	·939	74·7	62·2	·391	45	SW	2·4	"	3	
0-50	·798	·939	74·5	62·0	·390	45	W	2·4	"	3·5	
0-55	·796	·937	74·9	62·5	·400	46	W	1·2	"	4	Colour of the sky dusky, as if cloudy.
1-0	·794	·935	74·9	62·5	·400	46	W	1·2	"	4·5	Do. do.
1-5	·792	·933	75·0	62·7	·407	47	WSW	2·4	"	5	
1-10	·792	·933	74·7	61·9	·384	44	W	3·6	"	5·5	
1-15	·792	·933	75·1	62·7	·404	46	SSW	1·2	"	6	Appearance of the whole sky gloomy, as if dust-storm approaching.
1-20	·790	·931	75·2	62·0	·381	44	W	2·4	"	7	Do. do.
1-25	·789	·929	74·3	61·4	·373	43	W	3·6	"	7·5	Do. do.
1-30	·783	·924	74·1	61·4	·377	44	WSW	2·4	"	8	Do. do.
1-35	·784	·926	73·5	61·5	·388	47	W	2·4	"	9	Do. do.
1-40	·783	·925	73·4	61·2	·379	45	Calm	0	"	9	Breeze noticed.
1-45	·781	·923	73·2	61·2	·382	46	Calm	0	"	9·5	Sun slightly visible.
1-50	·779	·921	72·5	61·2	·391	49	Calm	0	"	9·8 at 1-48 P.M.	The sun began to emerge at 1-47 P.M. Planet Venus and a star were seen at the time of the greatest obscuration. The light was like subdued twilight, but brighter than moonlight, lasting for 1½ minutes.
1-55	·771	·913	71·8	61·8	·420	54	Calm	0	"	...	
2-0	·776	·918	71·5	61·9	·427	56	Calm	0	"	...	
2-5	·771	·913	71·3	62·2	·440	57	W	1·2	"	...	
2-10	·769	·911	71·4	62·6	·452	59	Calm	0	"	...	
2-20	·765	·907	72·5	63·0	·450	56	Calm	0	"	...	
2-30	·768	·910	73·3	62·2	·413	51	W	1·2	"	...	
2-40	·764	·905	74·3	63·6	·446	53	SW	0·6	"	...	
2-55	·766	·907	75·2	62·3	·390	44	WSW	0·8	"	...	The sun became quite clear at 3-4 P.M.
3-10	·764	·905	75·6	62·6	·395	45	SW	0·4	"	...	
3-25	·768	·909	75·6	63·6	·429	49	WSW	0·4	"	...	
3-40	·770	·911	75·4	63·3	·422	48	W	1·2	"	...	

No. 17. Lat. 27° 42′ N. **KATMANDU.** Long. 85° 12′ E.

Sixty-two miles from central line of totality. Greatest obscuration 9.

Hour. Madras time.	Barometer. Corrected and reduced to 32°F.	Dry bulb corrected.	Wet bulb corrected.	Aqueous vapour pressure.	Relative humidity.	Wind. Direction.	Wind. Amount since preceding interval, in miles per hour.	Cloud. Kind.	Cloud. Direction of motion.	Proportion of eclipse, totality 10.	Weather and other remarks.
	"	°	°	"	%						
A.M.											
9·40	25·691	54·6	48·4	·270	63	S	...	...	...	...	
9·55	·691	54·6	48·4	·270	63	S	0	...	...	...	
10·10	·684	58·0	50·8	·290	60	Calm	0·4	Cu.	SE	...	Cumulus clouds in SE and N of horizon, and a small patch on the zenith.
10·25	·680	59·0	50·8	·279	55	SE	2·8	Cu.	SE	...	
10·40	·678	58·8	50·8	·281	56	SE	0·8	Cu.	SE	...	
10·55	·676	60·7	51·8	·284	53	SSE	2·0	Cu.N	SE	...	
11·10	·676	61·9	52·0	·276	49	SSE	0·4	Cu.N	SE	...	
11·25	·676	61·9	52·0	·276	49	SE	1·6	Cu.N	SE	...	
11·40	·656	62·9	52·0	·264	46	SE	4·0	Cu.N	E	...	
11·55	·648	63·1	52·6	·277	48	SE	3·2	Cu.N	SE	...	
P.M.											
0·10	·644	61·1	52·6	·265	44	S	0·8	Cu.N	S	...	
0·25	·644	63·3	51·8	·254	44	Calm	0	Cu.N	S	...	
0·30	·638	63·3	51·8	·254	44	Calm	0	Cu.N	S	...	
0·35	·634	63·3	51·8	·254	44	S	1·2	Cu.N	S	...	First external contact.
0·40	·630	63·5	52·2	·263	45	NW	10·8	Cu.N	NW	1	
0·45	·626	63·9	52·6	·267	45	W	1·2	Cu.N	W	2	
0·50	·626	65·1	53·0	·268	43	SW	1·2	Cu.N	SW	3	
0·55	·626	65·1	53·0	·265	43	SW	1·2	Cu.N	SW	3	
1·0	·618	64·7	52·8	·264	43	SW	1·2	Cu.N	SW	4	
1·5	·618	64·7	52·6	·259	42	W	1·2	Cu.N	W	4	
1·10	·618	64·5	52·6	·261	42	Calm	0	Cu.N	W	4	
1·15	·618	64·7	52·8	·264	43	Calm	0	Cu.N	W	5	Sky to E and N grey blue.
1·20	·618	63·3	52·6	·275	47	Calm	0	Cu.N	W	5	Small grey patches of cumulo nimbus in different parts of the sky. Colour of sun's rays subdued. Pinkish clouds to N over mountain tops.
1·25	·618	63·9	52·8	·273	46	Calm	0	Cu.N	W	6	
1·30	·620	62·9	52·0	·264	46	Calm	0	Cu.N	W	6	
1·35	·620	62·7	52·2	·272	48	Calm	0	Cu.N	W	7	
1·40	·620	61·9	52·4	·286	51	Calm	0	Cu.N	NW	8	
1·45	·620	60·9	52·2	·292	54	Calm	0	Cu.N	W	8	Sky quite blue; clouds yellowish and the earth of muddy colour like that of clear moon light.
1·50	·620	59·9	52·2	·303	59	Calm	2·4	Cu.N	NW	9	Greatest obscuration.
1·55	·620	59·0	51·8	·303	60	Calm	2·4	Cu.N	NW	8	Second internal contact.
2·0	·620	59·2	51·2	·287	57	NW	2·4	Cu.N	NW	7	
2·5	·620	59·0	51·2	·289	58	NW	4·8	Cu.N	NW	6	Disc of the sun increasing continually.
2·10	·620	59·2	51·4	·292	58	Calm	2·4	Cu.	NW	5	
2·15	·620	59·0	51·6	·298	59	NNW	7·2	Ci.-Cu.	NNW	4	
2·20	·620	59·2	51·4	·292	58	NNW	16·8	Ci.-Cu.	NW	3	
2·25	·620	60·5	51·6	·281	53	NNW	12·0	Cu.	NW	2	
2·30	·620	60·9	51·2	·267	50	NNW	4·8	Cu.	NW	2	
2·35	·620	60·7	51·0	·264	50	NNW	4·8	Cu.	NNW	2	
2·40	·620	60·7	50·8	·259	49	NNW	2·4	Cu.	NNW	2	
2·45	·620	60·7	50·4	·248	47	NNW	2·4	Cu.	NNW	1	
2·50	·620	60·9	50·6	·251	47	NNW	3·6	Cu.	NNW	1	
2·55	·620	60·9	50·8	·257	49	NNW	3·6	Cu.	NNW	1	
3·0	·620	61·1	51·0	·260	49	NNW	4·8	Cu.	NNW	0	Second external contact, full sun.
3·15	·620	61·1	51·2	·263	49	NNW	1·2	Cu.N	NNW	...	
3·35	·620	61·1	51·8	·279	52	NW	10·8	Cu.	NW	...	
3·40	·620	60·7	50·4	·248	47	NNW	1·2	Cu.N	NNW	...	

No. 18. Lat. 19° 6′ N. AHMEDNAGAR. Long. 74° 48′ E.

Sixty-eight miles from central line of totality. Greatest obscuration 9.

Hour.	Barometer.		Dry bulb corrected.	Wet bulb corrected.	Aqueous vapour pressure.	Relative humidity.	Wind.		Cloud proportion	Weather and other Remarks.
Madras time.	Corrected and reduced to 32° F.	Reduced to sea-level and constant gravity.					Direction.	Amount since preceding interval, in miles, per hour.		
	"	"	°	°	"	%				
A.M.										
10·27	27·865	29·972	74·8	58·8	·299	35	SSE	...	*Nil*	
10·37	·916	30·025	75·4	59·5	·311	36	S	3·6	,,	
10·50	·912	·020	75·8	59·8	·316	36	ESE	3·2	,,	
10·57	·908	·016	76·5	60·0	·314	34	SW	3·4	,,	
11·7	·910	·009	77·8	60·8	·322	34	SSW	2·4	,,	
11·20	·903	29·998	78·4	61·6	·340	35	SE	3·7	,,	
11·31	·893	·987	78·8	61·7	·338	35	ESE	2·2	,,	
11·43	·887	·971	80·8	62·7	·345	33	S	2·5	,,	At 11·44 A.M. the eclipse was observed to commence in the SSW.
11·56	·877	·955	81·9	62·8	·336	31	SE	3·2	,,	
P.M. 0·4	·878	·956	81·9	62·8	·336	31	W	0	,,	
0·14	·876	·952	82·5	63·8	·362	33	SW	0·6	,,	
0·21	·876	·955	82·1	62·7	·330	30	S	0·9	,,	
0·30	·868	·943	82·8	63·4	·344	31	SE	2·7	,,	
0·36	·861	·938	82·1	62·7	·330	30	ENE	8·0	,,	0·32 P.M. A small cloud crossing the sun for 20 seconds.
0·47	·853	·931	82·8	62·1	·315	29	NE	1·6	,,	
0·58	·853	·935	80·7	61·7	·315	30	E	10·9	,,	0 57 P.M. Temperature decreasing.
1·20	·846	·937	78·3	60·5	·309	33	ESE	4·1	,,	1·3 P.M. The sun could be seen easily with naked eye, its *colour changed to darkish yellow.* 1·12 P.M. A. S. clouds were visible between East and West.
1·31	·844	·936	78·1	60·5	·311	33	E	6·0	,,	1·14 P.M. The sun easily visible by naked eyes; its colour was pale whitish but bright, with one darkish spot on the disc. It looked just like early morning. 1·18 P.M. The daylight was insufficient for reading.
1·40	·840	·929	78·9	60·7	·308	32	ESE	4·7	,,	1·19 P.M. The total disc obscured was nine-tenths.
1·51	·836	·924	79·0	60·9	·312	32	E	4·4	,,	1·24 P.M. The sun could hardly be seen with naked eyes.
2·3	·826	·904	80·9	61·7	·314	30	NE	7·0	,,	
2·20	·819	·897	81·2	61·8	·312	30	ENE	4·6	,,	
2·32	·825	·897	82·8	63·0	·332	30	ENE	7·0	,,	
2·50	·819	·889	83·0	63·3	·338	30	E	5·0	,,	2·41 P.M. The clear sun was visible.
3·9	·817	·885	83·7	63·6	·340	30	ENE	8·8	,,	
3·27	·819	·888	83·5	63·4	·335	29	SE	4·0	,,	
3·42	·816	·886	83·1	63·3	·337	30	E	5·2	,,	
4·1	·820	·890	83·1	63·1	·329	29	NE	5·1	,,	
4·22	·826	·896	82·9	62·9	·327	29	NE	3·7	,,	

Note.—The observation of the meteorological instruments, excepting barometer, were taken three or four minutes later the time entered in column of "Hour," and those of anemometer and wind vane, *eight minutes latter.*

No 19 Lat 21° 24′ N. CHIKALDA. Long 77° 22 E

Seventy-one miles from central line of totality. Greatest obscuration 9.

Hour	Barometer.					Wind		Cloud proportion	Proportion of eclipse, totality 10	Weather and other remarks.
Madras time	Corrected and reduced to 32° F	Dry bulb corrected.	Wet bulb corrected.	Aqueous vapour pressure	Relative hum dity	Direction	Amount since preceding interval, in miles per hour			
	"	°	°	"	%					
A M										
10-26	26 480	72 9	52 7	168	21	Calm		Nil		Clear sky, weather fine
10 41	482	72'5	52 8	174	22	Calm	1 6	"		D'tto ditto
10-56	482	73'5	53 4	179	21	Calm	2'0	"		D'tto ditto.
11 11	479	73 9	54'0	189	22	Calm	2 0	"		D tto ditto.
11 26	481	75'1	54 4	187	21	Calm	1'2	"		Ditto ditto
11 41	474	74 9	53 4	163	18	Calm	3'2	"		D tto ditto
11 56	'471	75'5	54'0	171	19	Calm	3'6	"		Ditto ditto Eclipse commenced at 1 P M
P M										
0-11	462	75'5	54 0	'171	19	Calm	2'0	"	1	Ditto weather fine
0-26	459	75'9	54 8	188	21	Calm	2'0	"	2	Ditto ditto
0-41	448	75 9	55'0	192	21	Calm	2 4	"	3	Ditto ditto
0 56	446	75 1	54 4	187	21	Calm	2 4	"	4	Slightly dusky sky, ditto
1 11	439	74'8	53'8	175	20	Calm	2 4	"	6	Ditto ditto and cool breeze
1 26	436	73 5	53'2	174	20	Calm	3 2	"	8	Ditto ditto ditto
1 41	436	71 5	52 8	186	24	Calm	3 2	"	9	Ditto ditto ditto.
1 56	426	68 9	51 8	190	27	Calm	3'2	"		Clear sky, weather fine
2 11	425	69'9	52 4	194	26	Calm	1'6	"		D tto ditto
2-26	421	71 1	52 7	187	23	Calm	3'4	"		D tto ditto
2 41	419	71'9	53'2	192	24	Calm	4 0	"		Ditto ditto.
2 56	'418	72'9	53 8	196	24	Calm	2'4	"		D'tto ditto
3 11	421	74 1	54 4	198	23	Calm	2'0	"		D tto ditto
3-26	417	74 5	54 8	205	24	Calm	1 6	"		Ditto ditto
3 41	414	73'9	55'0	215	25	Calm	3'6	"		Ditto ditto
3 56	412	74 5	55'2	215	24	Calm	3 2	"		Ditto ditto.
4-11	410	74 9	55 4	216	24	Calm	1 6	"		Ditto ditto

No. 20. Lat. 24° 34′N. SUTNA. Long. 80° 52′ E.

Seventy-two miles from central line of totality. Greatest obscuration 9.

Hour. Madras time.	Barometer. Corrected and reduced to 32° F.	Barometer. Reduced to sea-level and constant gravity.	Dry bulb corrected.	Wet bulb corrected.	Aqueous vapour pressure.	Relative humidity.	Wind. Direction.	Wind. Amount since preceding interval, in miles per hour.	Cloud proportion.	Proportion of eclipse, totality 10.	Weather and other remarks.
	"	"	°	°	"	%					
A.M.											
9-57	29·021	30·053	70·9	54·3	·219	30	NW	...	*Nil*		
10-12	·023	·052	71·9	54·8	·220	28	WNW	5·2	"		
10-27	·023	·050	72·9	55·3	·222	28	WNW	4·8	"		
10-42	·018	·045	73·3	55·1	·211	26	N W	5·6	"		
10-57	·008	·032	74·6	55·5	·206	25	NW	5·6	"		Fine clear weather.
11-12	·008	·029	76·1	56·3	·210	23	NW	7·2	"		
11-27	28·999	·020	76·1	56·5	·216	24	N W	6·8	"		
11-42	·994	·013	77·1	56·8	·212	22	NW	6·8	"		
11-57	·987	·005	77 7	56·9	·209	21	WNW	5·6	"		
P.M.											
0-12	·982	29·996	78·9	57·3	·204	21	NW	6·4	"		
0-27	·978	·991	79·3	57·3	·199	20	NW	6·4	"	1	Eclipse commenced from the west.
0-42	·963	·976	79 1	56·8	·187	18	NW	12·8	"	2	
0-57	·969	·983	78·6	56·3	·179	18	W	8·4	"	4	
1-7	·959	·974	78·1	56·3	·185	19	W	...	"	6	Daylight slightly diminished.
1-17	·953	·969	77·6	57·3	·220	23	W	...	"	7	Daylight pale, atmosphere cool and gloomy. Sun's heat was as mild as it seems at about 5·15 P.M. Surrounding objects looked as if in haze.
1-22	·945	·962	77·1	56·3	·197	21	NW	4·1	"	8	
1-32	·942	·963	75·1	55·3	·194	22	W	...	"	8	
1-42	·938	·959	75·1	55·3	·194	22		2·7	"	9	
1-52	·936	·959	74·1	56·3	·234	28	W	3·0	"	8	
1-57	·938	·961	74·1	56·3	·234	28	W	...	"	7	
2-12	·928	·947	75·9	56·3	·213	24	W	...	"	4	
2-27	·934	·950	77·1	56·8	·212	22	NW	5·3	"	3	
2-42	·930	·944	78·1	57·3	·214	2	N W	10·4	"	2	The moon gradually passed across the sun's disc to the south-east direction.
2-57	·933	·947	78·3	57·3	·211	22	NW	...	"	1	Eclipse ended.
3-27	·937	·950	79·1	57·3	·201	20	NW	10·6	"		
3-57	·943	·956	79·1	57·1	·196	19	NW	5·6	"		

No 21. Lat 25° 26′ N. **ALLAHABAD** Long 81° 52′ E

Seventy-five miles from central line of totality Greatest obscuration 9

Hour. Madras time	Barometer. Corrected and reduced to 32° F	Barometer. Reduced to sea level and constant gravity	Dry bulb corrected	Wet bulb corrected	Aqueous vapour pressure	Relative humidity	Wind. Direction	Wind. Amount since preceding interval in miles per hour	Cloud proportion	Proportion of eclipse, total ty 10.	Weather and other remarks.
A M	"	"	°	°	"	%					
9 53	29 759	30 035	69 1	56 1	·280	39	WNW		Nil		
10 8	·761	036	69·9	55 3	246	34	WNW	11 6			
10·23	763	037	70·9	56·1	256	34	WNW	11 2	"		
10·38	·758	0·32	72 1	57·1	·269	34	WNW	10 4	"		
10·53	757	031	72 1	57 1	269	34	WNW	9 2	"		
11·8	·748	022	73 8	57 5	259	31	W	10 8	"		
11 23	739	012	73·4	57 1	252	31	WNW	10 8	"		
11 38	737	·008	75 2	58 1	259	30	WNW	10 4	"		
11·53	723	29 994	76·0	58 8	·270	30	WNW	12 0	"		
P M											
0·8	·712	·981	76·7	59 3	273	29	W	12 4	"		
0 23	704	973	77 7	60·0	284	30	WNW	13 2	"		
0·38	701	·970	77 8	59 9	280	29	WSW	10 4	"		Sky assumed somewhat l vd hue
0 43	.	...			. .	.			"	2	Sky more livid
0 53	·695	964	77 8	58 9	248	26	WNW	10·8	"	3	Sky getting more and more dull
0·58	697	966	77 2	59 1	263	28	WNW	14 4	"	4	Ditto ditto and dusky
1 3	·697	966	77 2	58 8	252	27	WNW	10 8	"	4	Ditto ditto ditto,
1 8	695	964	77 2	59 1	·263	28	WNW	10 8	"	5	Sky getting more and more l vd purple
1·13	695	·965	76 7	59 1	269	29	WNW	14 4	"	6	Ditto the landscape somewhat gloomy as under thick cloud
1 18	·693	·964	76 2	59·1	276	31	WNW	7 2	"	7	Sky light purple Yellow corona round obscured edge of the sun a disc
1 23	691	·962	76 0	59 1	277	31	WNW	9·6	"	8	The same, gloom ness deepening Corona visible
1·28	689	·960	75·2	59 3	293	33	WNW	6·0	"	8	Ditto d tto
1·33	690	·961	74 7	58 8	285	33	WNW	6 0	"	8	The whole landscape wore a strange aspect a. if moon-lit night approaching, birds chirping and going to roost. A dark strip of shade cast over the unshadowed portion of sun The warmth of the sun scarcely felt.
1 38	688	·960	74 2	58 1	272	32	WNW	9 6	"	9	The faces of objects at distance somewhat indistinct A strange sad appearance fall round The warmth of the sun scarcely felt.
1·43	688	·961	73 7	58 1	279	34	WNW	7 2	"	9	Landscape growing more and more gloomy, sky livid The warmth not felt.
1·48	·686	·958	73 2	58 1	285	35	WNW	8 4	"	9	(The maximum obscuration occurred between 1 48 and 1 50 P M)
1 53	685	957	73 2	57·9	·280	34	WNW	4 8	"	8	Signs of clearing appeared Cock crowed.
1 58	·685	957	73 2	58 1	285	35	WNW	4 8	"	7 or 6	Sky and landscapes growing brighter Colour of sky light purple. A little warmth felt
2·3	681	953	73 8	58 1	279	33	WNW	6 0	"	5	Sky and landscape growing brighter Colour of sky l ght purple.
2 8	·681	·952	74 2	59·1	302	36	WNW	6 0	"	5	The sky rapidly grow ng brighter.
2·13	·677	949	74 2	58·9	297	35	W	4 8	"	4	Ditto ditto
2 18	677	948	74 8	59·6	309	36	W	4 8	"	3	D tto ditto
2 23	675	946	75 2	60 1	320	37	WNW	4 8	"	2	Ditto ditto.
2·28	675	946	75·2	60 1	320	37	W	6 0	"	2	D tto ditto
2 33	671	941	76·2	60·1	307	34	WNW	7 2	"	1 5	Sky bright blue with little dulness
2 38	671	941	77·0	60 1	295	31	WNW	7 2	"	1	Ditto d tto
2 43	673	943	77 2	60 9	321	34	WNW	7 2	"		Ditto ditto.
2 48	671	941	77 2	60·9	321	34	WNW	7 2	"		Cheerful and bright appearance all round Obscurat on less than 1
2 53	671	940	78·2	60 7	·299	31	WNW	7 2	"		Cheerful and bright appearance all round Sun completely cleared at 2·50 P M
3·8	667	·936	78 4	59·5	257	27	NNW	10 8	"		Normal cond tion as before the eclipse set in; blue and clear sky
3 23	667	935	78·9	60 1	271	27	WNW	7 2	"		
3 38	668	937	78·4	60 1	278	28	WNW	12 8	"		
3·53	·675	·944	78 3	60·1	279	29	WNW	8 0	"		

No. 22. Lat. 18° 28′ N. POONA. Long. 74° 10′ E.

Seventy-five miles from central line of totality. Greatest obscuration 9.

Hour. Madras time.	Barometer. Corrected and reduced to 32° F.	Barometer. Reduced to sea-level and constant gravity.	Dry bulb corrected.	Wet bulb corrected.	Aqueous vapour pressure.	Relative humidity.	Wind force.	Cloud proportion.	Proportion of eclipse, totality 10.	Solar radiation thermometer corrected.	Weather and other remarks.
	"	"	°	°	"	%				°	
A.M. 10·24	28·217	30·034	72·2	53·6	·182	24	Gentle.	*Nil*	...	94·5	The eclipse commenced at 11·47 A.M. Sun's disc seemed to be obscured by the shadow in the proportion of 9 to 10 at 1·19 P.M., when the light blened to that of the moon shine. The surrounding parts looked dim. The shadow covering the sun was not exactly dark. Stars not visible. Sky clear.
10·39	·214	·022	74·5	54·8	·187	22	Do.	"	...	121·3	
10·54	·209	·011	76·0	55·3	·183	20	Do.	"	...	129·3	
11·9	·205	·004	77·2	56·0	·189	20	Do.	"	...	132·8	
11·24	·201	29·994	78·5	56·8	·194	20	Do.	"	...	134·7	
11·39	·198	·987	79·7	57·3	·194	18	Do.	"	...	137·3	
11·54	·194	·978	81·2	58·2	·201	19	Do.	"	2	134·3	
P.M. 0·9	·182	·959	82·5	57·8	·175	16	Light.	"	3	128·5	
0·24	·180	·964	80·7	57·6	·191	19	Do.	"	4	118·8	
0·39	·171	·955	80·5	57·4	·188	18	Do.	"	5	109·3	
0·54	·.65	·949	80·4	57·3	·187	18	Do.	"	7	99·7	
1·9	·155	·945	78·7	56·1	·173	17	Do.	"	8	88·5	
1·19	...	...	...	...	...	...	...	...	9	...	
1·24	·144	·934	78·2	56·0	·177	18	Light.	*Nil*	8	86·3	
1·39	·137	·924	78·8	56·3	·176	17	Do.	"	6	95·7	
1·54	·133	·918	79·7	56·6	·174	18	Do.	"	4	107·5	
2·9	·128	·907	81·1	55·9	·165	16	Do.	"	3	122·8	
2·24	·122	·899	81·8	57·2	·166	15	Do.	"	2	130·3	
2·39	·119	·893	82·7	57·6	166	15	Moderate.	"	1	137·5	Eclipse terminated at 2·41 P.M.
2·54	·116	·884	83·7	57·8	·158	14	Do.	"	...	136·3	
3·9	·118	·888	83·2	58·0	·172	15	Do.	"	...	135·9	
3·24	·119	·888	83·5	58·5	·182	16	Do.	"	...	134·5	
3·39	·119	·885	84·2	59·2	·195	16	Do.	"	...	134·0	
3·54	·121	·886	84·7	59·3	·190	15	Do.	"	...	132·5	
4·9	·122	·890	84·1	59·1	·192	16	Do.	"	...	130·8	
4·24	·123	·890	83·9	59·3	·202	17	Do.	"	...	125·8	

No. 23. Lat. 22° 28′ N. PACHMARHI. Long. 78° 28′ E.

Seventy-seven miles from central line of totality. Greatest obscuration 9.

Hour. Madras time.	Barometer. Corrected and reduced to 32° F.	Dry bulb corrected.	Wet bulb corrected.	Aqueous vapour pressure.	Relative humidity.	Wind. Direction.	Wind. Amount since preceding interval, in miles per hour.	Cloud proportion.	Proportion of eclipse, totality 10.	Weather and other remarks.
A.M.	″	°	°	″	%					
10·7	26·598	69·0	52·4	·205	29	ESE	...	*Nil*	...	Fine clear weather.
10·22	·602	69·2	53·1	·221	31	Calm	3·2	,,	...	
10·37	·600	70·0	53·6	·225	31	Calm	2·4	,,	...	
10·52	·593	70·0	53·2	·213	29	Calm	2·4	,,	...	
11·7	·591	70·2	53·8	·228	31	ENE	0·4	,,	...	Ditto.
11·22	·587	71·2	54·0	·221	29	Calm	2·8	,,	...	
11·37	·587	71·5	55·0	·244	32	Calm	0·8	,,	...	
11·52	·585	72·8	54·2	·208	25	NNE	3·2	,,	...	Ditto.
P.M.										
0·7	·581	73·5	54·4	·205	24	NNE	4·0	,,	...	Eclipse commenced.
0·12	·577	72·5	54·2	·211	26	Calm	0	,,	...	
0·17	·573	72·1	53·7	·203	25	NNE	2·4	,,	1	
0·22	·573	72·5	54·4	·217	27	Calm	3·6	,,	2	
0·27	·571	72·1	53·3	·192	23	Calm	1·2	,,	2	Little tint of white in the sun.
0·32	·569	72·8	54·4	·213	25	WNW	4·8	,,	2	
0·37	·567	72·8	54·7	·222	28	NNE	2·4	,,	3	Ditto.
0·42	·565	72·2	54·7	·228	29	Calm	2·4	,,	3	
0·47	·565	72·4	54·7	·226	29	Calm	0	,,	4	
0·52	·563	72·0	54·0	·212	27	Calm	1·2	,,	4	Sun's lustre decreasing.
0·57	·563	72·0	55·0	·238	28	Calm	0	,,	4	
1·2	·561	71·9	54·5	·226	29	NNW	3·6	,,	5	Sun yellowish.
1·7	·553	70·8	54·0	·225	30	Calm	2·4	,,	5	
1·12	·553	70·5	54·0	·229	31	Calm	4·8	,,	6	
1·17	·553	70·0	54·0	·235	32	Calm	2·4	,,	6	
1·22	·553	69·7	53·7	·231	32	Calm	1·2	,,	7	
1·27	·549	67·5	53·0	·237	35	Calm	0	,,	8	
1·32	·547	67·2	53·0	·241	36	Calm	0	,,	9	
1·37	·547	66·0	52·7	·246	39	Calm	0	,,	...	Greatest obscuration. Light was necessary to read barometer in the room. Dull white star to the SW of the sun.
1·42	·545	66·0	52·7	·246	39	Calm	0	,,	...	Obscuration decreased. Barometer read without help of light.
1·47	·545	66·0	52·7	·246	39	Calm	0	,,	8	Lustre increased.
1·52	·543	66·1	52·5	·242	38	Calm	0	,,	7	Ditto.
1·57	·543	67·0	52·4	·228	34	Calm	1·2	,,	6	Ditto.
2·2	·545	67·2	52·7	·233	35	Calm	0	,,	5	Ditto.
2·7	·545	68·2	53·2	·234	34	Calm	2·4	,,	4	Yellowish tint disappeared.
2·12	·537	68·2	53·0	·229	33	NNW	2·4	,,	3	
2·17	·537	69·0	53·0	·270	31	Calm	2·4	,,	3	
2·22	·537	69·2	53·4	·228	31	WNW	3·6	,,	2	
2·27	·537	69·9	53·4	·220	30	Calm	3·6	,,	2	Sun assumed original colour.
2·32	·541	70·0	53·4	·219	30	Calm	2·4	,,	2	
2·37	·541	71·0	54·2	·228	30	Calm	2·4	,,	1	
2·42	·545	71·0	54·4	·234	31	WNW	4·8	,,	1	Sun clearing gradually.
2·47	·543	70·8	53·4	·210	27	Calm	1·2	,,	1	
2·52	·541	71·0	53·4	·208	27	Calm	1·2	,,	...	Eclipse ended.
3·7	·545	71·8	54·2	·219	28	Calm	0·8	,,	...	
3·22	·551	71·8	54·4	·224	28	Calm	1·6	,,	...	
3·37	·551	72·2	54·8	·231	29	Calm	0·4	,,	...	
3·52	·551	72·0	54·8	·234	30	Calm	0	,,	...	
4·7	·551	73·0	55·2	·232	28	Calm	0	,,	...	

Seventy-nine miles from central line of totality. Greatest obscuration 9.

Hour. Madras time.	Barometer. Corrected and reduced to 32° F.	Barometer. Reduced to sea-level and constant gravity.	Dry bulb corrected.	Wet bulb corrected.	Aqueous vapour pressure.	Relative humidity.	Wind. Direction.	Wind. Amount since preceding interval, in miles per hour.	Cloud proportion.	Proportion of eclipse, totality 10.	Weather and other remarks.
	"	"	°	°	"	%					
A.M.											
10-16	27·920	30·000	78·4	56·4	·184	18	SE	...	*Nil*	...	Sky blue.
10-31	·918	29·996	79·1	56·1	·167	17	SE	4·4	"	...	Do.
10-46	·919	·996	79·6	56·5	·173	18	SSE	4·4	"	...	Do.
11-1	·918	·992	80·1	56·7	·171	17	SSW	3·6	"	...	Do.
11-16	·913	·983	81·1	56·1	·143	13	ENE	4·4	"	...	Do.
11-31	·906	·970	82·2	57·7	·175	16	E	3·2	"	...	Do.
11-46	·898	·967	81·1	56·6	·157	15	NNE	5·2	"	...	Do.
11-58	...	...	...	...	...	...	...	...	"	...	Do. Obscuration commenced.
P.M.											
0-1	·892	·956	81·7	56·7	·152	14	NW	4·0	"	...	Do.
0-7	·888	·949	82·4	57·5	·167	15	NNW	4·0	"	0·5	Do.
0-12	·890	·952	82·3	57·7	·174	16	NW	2·4	"	1	Do.
0-16	·888	·951	81·9	56·6	·147	13	NNW	6·0	"	1·5	Do.
0-21	·886	·951	81·6	57·2	·167	15	*Calm*	1·2	"	2	Do.
0-26	·886	·950	81·7	57·8	·182	17	NNW	2·4	"	2·5	Do.
0-31	·884	·947	82·0	57·3	·166	15	N	7·2	"	3	Do. Horizon dull to NE and W.
0-36	·880	·943	82·0	57·7	·177	16	N	3·6	"	3·5	Do. Ditto.
0-41	·878	·942	81·6	56·7	·152	14	NE	6·0	"	4	Do. Ditto. Daylight diminishing.
0-46	·874	·938	81·5	57·2	·168	15	NNW	6·0	"	4·5	Do. Horizon to NE and W. dull, day light diminishing.
0-51	·872	·937	81·3	57·7	·157	15	N	4·8	"	5	Usual blue colour of sky changing into dark blue.
0-56	·870	·937	80·7	57·0	·173	17	N	6·0	"	5·5	Horizon to NE and W. dull (as if foggy or misty.) Ditto, ditto. Daylight turned very pale and yellowish.
1-1	·866	·933	80·6	56·9	·171	17	NNE	6·0	"	6	Ditto ditto.
1-6	·865	·934	80·0	55·9	·150	15	NNW	6·0	"	6·5	Ditto ditto.
1-11	·861	·935	79·5	56·0	·159	16	NNW	4·8	"	7	Ditto ditto. colour of sky blackish.
1-16	·862	·934	79·3	55·7	·153	16	N	6·0	"	7·5	Ditto ditto. A star (probably Venus) observed to the W of the sun with the naked eye.
1-22	·860	·934	78·7	55·7	·161	17	N	4·0	"	8·2	Star visible, colour of the sky dark, quite wan and sinister light on all sides, colour of the disc of the sun reddish; pale and brown rays bursting out from the obscured disc. Horizon dull to NW and E.
1-28	·859	·938	77·5	54·9	·153	16	NNE	6·0	"	9	Ditto ditto. Sky dark; slightly changed into bright and yellow colour; sun's disc reddish throwing bright yellowish rays: star visible. Horizon still dull to NE and W.
1-36	·856	·939	76·7	54·7	·158	17	NNE	5·3	"	8	Sky blackish or dark blue; light bright yellowish and pale. Horizon dull.
1-46	·853	·933	77·3	55·0	·158	16	N	5·4	"	6	Ditto light pale bright ditto.
1-52	·853	·930	78·1	55·0	·149	15	NNE	3·0	"	5	Sky blue, daylight bright (white) ditto.
1-57	·849	·923	78·5	55·0	·143	14	NNE	6·0	"	4·3	Ditto ditto ditto.
2-2	·846	·920	78·5	55·0	·143	14	NNE	7·2	"	3·5	Sky blue.
2-6	·844	·917	78·7	55·1	·144	14	NNE	9·0	"	3	Do.
2-16	·844	·916	79·0	55·0	·137	14	NNE	7·8	"	1·5	Do.
2-21	·842	·911	79·8	55·7	·147	15	NNE	8·4	"	1	Do.
2-26	·841	·907	80·4	56·1	·151	14	NNE	6·0	"	0·6	Do.
2-31	·840	·908	79·9	55·7	·146	15	NNE	6·0	"	0·3	Do.
2-36	·842	·908	80·5	56·4	·158	15	NE	8·4	"	0·2	Do.
2-41	·842	·908	80·5	56·4	·158	15	NNE	6·0	"	...	Do.
2-46	·842	·908	80·5	55·9	·144	14	NNE	6·0	"	...	Do. Eclipse terminated at 2-51 P.M.
3-1	·840	·905	80·8	56·0	·143	13	ENE	6·8	"	...	Do.
3-16	·840	·900	81·9	57·0	·158	14	E	4·0	"	...	Do.
3-31	·841	·901	82·1	57·0	·156	14	E	6·4	"	...	Do.
3-46	·843	·903	82·0	57·1	·160	14	NE	3·2	"	...	Do.
4-1	·845	·903	82·4	57·2	·158	14	E	4·4	"	...	Do.
4-16	·848	·907	82·3	56·7	·145	13	ENE	4·0	"	...	

No. 25. Lat. 24° 42′N. GAYA. Long. 85° 2′ E.

Eighty-six miles from central line of totality. Greatest obscuration 9.

Hour.	Barometer.						Wind				
Madras time.	Corrected and reduced to 32° F.	Reduced to sea-level and constant gravity.	Dry bulb corrected.	Wet bulb corrected.	Aqueous vapour pressure.	Relative humidity.	Direction.	Amount since preceding interval, in miles per hour.	Cloud proportion.	Proportion of eclipse, totality 10.	Weather and other remarks.
A.M.	″	″	°	°	″	%					
10·0	29·678	30·019	72·6	59·0	·320	41	SW	...	Nl	...	Fine clear weather from 10 A.M. to 0·25 P.M.
10·5	·677	·017	73·2	59·1	·316	39	...	...	,,	,,	
10·10	·679	·019	73·6	59·6	·327	40	...	...	,,	...	
10·15	·682	·021	74·2	59·7	·320	38	SW	20·0	,,	...	
10·20	·682	·021	74·5	59·8	·321	38	...	...	,,	...	
10·25	·683	·022	74·6	60·0	·325	40	...	...	,,	...	
10·30	·682	·020	75·0	60·2	·326	37	SW	3·2	,,	...	
10·35	·683	·021	75·2	60·3	·325	37	...	...	,,	...	
10·40	·684	·022	75·3	60·4	·327	37	...	...	,,	...	
10·45	·684	·022	75·5	60·6	·333	38	SW	3·6	,,	...	
10·50	·685	·023	75·5	60·6	·333	38	...	...	,,	...	
10·55	·685	·023	75·6	60·6	·331	38	...	...	,,	...	
11·0	·684	·022	76·0	60·7	·329	37	W	5·2	,,	...	
11·5	·680	·017	76·0	60·7	·329	37	...	...	,,	...	
11·10	·675	·012	76·2	61·2	·338	38	...	...	,,	...	
11·15	·667	·004	77·2	60·8	·317	34	W	2·0	,,	...	
11·20	·664	·001	77·4	62·2	·354	38	...	...	,,	...	
11·25	·656	29·992	78·2	61·6	·329	34	...	...	,,	...	
11·30	·653	·089	78·6	61·7	·334	33	W	6·4	,,	...	
11·35	·648	·984	78·8	61·4	·314	31	...	...	,,	...	
11·40	·642	·978	78·6	61·3	·313	31	...	...	,,	...	
11·45	·638	·974	78·8	61·2	·308	31	W	4·4	,,	...	
11·50	·636	·972	78·7	61·1	·306	31	...	...	,,	...	
11·55	·634	·970	78·7	61·0	·303	31	...	...	,,	...	
12·0	·633	·969	78·6	60·8	·298	30	SW	3·2	,,	...	
P.M.											
0·5	·630	·966	78·6	60·6	·292	30	...	...	,,	...	
0·10	·629	·965	78·6	60·5	·288	30	...	...	,,	...	
0·15	·628	·964	78·7	60·4	·284	28	SW	4·8	,,	...	
0·20	·628	·964	78·8	61·2	·308	31	...	...	,,	...	
0·25	·629	·965	78·6	61·0	·304	31	...	...	,,	...	
0·30	·624	·959	79·6	60·8	·285	28	SW	4·0	,,	1	Dim weather from 0·30 P.M. to 1·45 P.M.
0·35	·618	·953	79·6	61·0	·290	29	...	...	,,	1	
0·40	·596	·930	79·6	61·4	·303	30	...	...	,,	2	
0·45	·599	·933	79·6	61·4	·303	30	W	4·8	,,	3	
0·50	·601	·935	79·7	61·6	·309	31	...	...	,,	3	
0·55	·599	·933	79·8	61·7	·311	31	...	...	,,	4	
1·0	·598	·932	79·6	61·4	·303	30	SW	3·2	,,	4	
1·5	·597	·931	79·6	61·4	·303	30	...	...	,,	5	
1·10	·595	·929	79·6	61·4	·303	30	...	...	,,	5	
1·15	·596	·930	79·6	61·4	·303	30	W	5·2	,,	5	
1·20	·595	·929	79·6	61·4	·303	30	...	...	,,	6	
1·25	·594	·929	78·2	61·2	·311	32	...	...	,,	6	
1·30	·594	·929	78·0	61·0	·311	32	W	13·6	,,	6	
1·35	·592	·927	77·8	60·7	·306	32	...	...	,,	7	
1·40	·592	·927	77·8	60·6	·301	32	...	...	,,	8	
1·45	·590	·925	77·8	60·5	·298	31	W	6·4	,,	8	
1·50	·584	·920	77·7	60·4	·296	30	...	...	,,	9	Darkish and unusual weather.
1·55	·584	·919	77·8	60·2	·289	30	...	...	,,	8	Do.
2·0	·578	·913	77·8	60·1	·285	30	W	1·6	,,	7	Do.
2·5	·574	·909	77·6	60·0	·285	30	...	...	,,	6	Dim and Do.
2·10	·573	·909	77·4	59·8	·281	30	...	...	,,	4	Do.
2·15	·568	·904	77·0	59·7	·282	30	W	3·6	,,	3	Do.
2·20	·566	·903	76·8	59·7	·286	31	...	...	,,	2	Do.
2·25	·562	·899	76·6	59·6	·285	31	...	...	,,	2	Do.
2·30	·562	·898	76·5	59·6	·287	31	W	2·8	,,	2	Do.
2·35	·560	·896	76·2	59·2	·278	31	...	...	,,	1	Do.
2·40	·560	·896	76·2	59·0	·272	31	...	...	,,	1	Do.
2·45	·558	·894	76·1	58·9	·270	31	W	2·4	,,	1	Clear weather.
2·50	·558	·895	76·1	58·8	·267	30	...	...	,,	1	Do.
2·55	·557	·894	76·0	58·8	·269	31	...	...	,,	...	Fine clear weather from 2·55 P.M. to 4 P.M.
3·0	·557	·894	75·9	58·7	·267	31	W	4·4	,,	...	
3·5	·556	·893	75·0	58·7	·266	31	...	...	,,	...	
3·10	·552	·889	75·8	58·6	·268	31	...	...	,,	...	
3·15	·555	·892	76·6	58·7	·256	28	W	2·8	,,	...	
3·20	·554	·891	76·8	59·5	·280	30	...	...	,,	...	
3·25	·559	·896	76·8	59·6	·282	31	...	...	,,	...	
3·30	·560	·897	76·9	59·6	·281	30	W	4·0	,,	...	
3·35	·561	·897	77·0	60·2	·300	32	...	...	,,	...	
3·40	·562	·898	77·0	60·3	·302	33	...	...	,,	...	
3·45	·561	·890	77·2	60·3	·299	31	W	3·6	,,	...	
3·50	·563	·899	77·2	60·2	·297	31	...	...	,,	...	
3·55	·563	·899	77·3	60·3	·298	31	...	...	,,	...	
4·0	·563	·899	77·4	60·3	·297	31	W	5·2	,,	...	

No. 26. Lat. 15° 52′N. **BELGAUM.** Long. 74° 42′E.

Ninety-three miles from central line of totality. Greatest obscuration 9·5.

Hour	Barometer.						Wind.				Weather and other remarks.
Madras time.	Corrected and reduced to 32° F.	Reduced to sea-level and constant gravity.	Dry bulb corrected.	Wet bulb corrected.	Aqueous vapour pressure.	Relative humidity.	Direction.	Amount since preceding Interval, in miles per hour.	Cloud proportion.	Proportion of eclipse, totality 10.	
	"	"	°	°	"	%					
A.M. 10·22	27·495	29·963	73·8	55·9	·226	27	ESE	20·0	*Nil*	...	10·22 A.M. to 4·22 P.M. Fine weather and blue sky.
10·37	·496	·959	74·8	56·6	·235	28	ESE	22·0	"	...	
10·52	·492	·951	75·5	56·7	·229	26	ESE	22·0	"	...	
11·7	·489	·947	75·8	56·9	·230	26	ESE	22·0	"	...	
11·22	·483	·935	76·6	56·7	·215	23	ESE	22·0	"	...	
11·37	·475	·922	77·5	56·6	·201	21	ESE	18·0	"	...	Eclipse commenced from SSW. During eclipse obscured portion of sun's disc appeared quite dark and the rest white. Eclipse cleared away from SSE.
11·40	·475	·922	77·5	56·7	·205	21	ESE	18·0	"	...	
11·45	·473	·920	77·5	56·7	·205	21	ESE	18·0	"	9·5	
11·50	·469	·910	78·5	56·7	·195	19	ESE	18·0	"	1	
11·53	·465	·904	78·7	56·7	·189	19	E	18·0	"	2	
11·58	·465	·906	78·5	56·9	·197	20	ESE	18·0	"	2	
P.M. 0·8	·463	·904	78·6	56·7	·190	19	ESE	18·0	"	4	
0·11	·463	·905	78·1	56·6	·194	20	ESE	18·0	"	4	
0·17	·463	·907	77·8	56·2	·186	19	ESE	18·0	"	4	
0·22	·461	·906	77·5	55·7	·176	18	ESE	18·0	"	4	Light little pale. Cold breeze as in early morning.
0·24	·461	·907	77·4	55·8	·180	19	ESE	20·0	"	5	Ditto.
0·27	·461	·905	77·7	56·4	·193	20	ESE	20·0	"	5	Ditto.
0·32	·459	·903	77·8	56·4	·191	19	ESE	20·0	"	5	Ditto.
0·35	·459	·904	77·5	56·2	·190	19	ESE	20·0	"	5	Ditto.
0·38	·457	·902	77·2	56·1	·189	20	ESE	20·0	"	5	Ditto.
0·40	·457	·905	76·9	56·1	·193	20	ESE	20·0	"	5	Ditto.
0·42	·459	·908	76·8	56·2	·198	21	ESE	20·0	"	5	Ditto.
0·45	·455	·904	76·8	56·2	·198	21	ESE	20·0	"	6	Light pale. Cold breeze as in early morning.
0·49	·455	·904	76·9	56·2	·198	21	ESE	20·0	"	6	Ditto.
0·52	·453	·902	76·8	56·2	·198	21	ESE	20·0	"	7	Ditto.
0·55	·451	·900	76·7	55·7	·185	20	ESE	12·0	"	8	Ditto.
0·56	...	...	76·4	55·4	·180	19	ESE	12·0	"	8	Ditto.
0·57	...	...	76·2	55·6	·191	21	ESE	12·0	"	8	Ditto.
0·58	·449	·900	76·1	55·7	·192	21	ESE	12·0	"	8	Ditto.
1·2	·449	·901	75·9	55·7	·195	22	ESE	12·0	"	9	Ditto.
1·5	·449	·903	75·5	55·3	·190	21	ESE	12·0	"	9	Ditto.
1·10	·449	·905	75·1	54·7	·177	20	ESE	12·0	"	9	Ditto.
1·11	...	...	75·0	54·7	·179	20	ESE	12·0	"	9	Ditto.
1·12	·445	·902	74·9	54·7	·180	21	ESE	12·0	"	9	Light very pale. Grass and trees in light appeared quite pale.
1·15	·441	·901	74·4	54·7	·186	22	ESE	12·0	"	9·5	Ditto.
1·19	·437	·897	74·1	54·6	·187	22	ESE	12·0	"	9·5	Ditto.
1·22	·431	·893	73·8	54·4	·185	21	ESE	14·0	"	9·5	Ditto.
1·29	·429	·890	73·7	54·7	·191	24	ESE	14·0	"	9	Light insufficient to read with.
1·34	·429	·890	73·7	55·0	·203	25	ESE	14·0	"	8	
1·37	·429	·890	73·8	55·2	·207	25	ESE	14·0	"	7	
1·40	·429	·888	74·1	55·7	·217	26	ESE	14·0	"	7	
1·45	·425	·884	74·2	55·7	·216	26	ESE	14·0	"	6·5	
1·49	·425	·881	74·7	55·7	·210	25	ESE	14·0	"	6	
1·54	·425	·881	74·8	55·8	·212	25	ESE	14·0	"	4	
1·57	·424	·879	74·9	56·2	·222	26	ESE	16·0	"	3	
1·59	·424	·875	75·7	56·4	·218	24	ESE	16·0	"	3	
2·2	·422	·873	75·7	56·2	·212	23	ESE	16·0	"	2	
2·5	·422	·873	75·8	56·2	·211	23	ESE	16·0	"	2	
2·7	·422	·871	76·1	56·1	·204	22	ESE	16·0	"	1	
2·10	·420	·867	76·6	55·9	·192	21	ESE	16·0	"	1	
2·15	·421	·867	76·8	56·2	·198	21	ESE	16·0	"	1	
2·19	·421	·864	77·3	56·2	·192	20	ESE	16·0	"	1	
2·22	·421	·862	77·7	56·2	·187	19	ESE	16·0	"	0·5	
2·27	·421	·862	77·7	55·7	·173	18	ESE	20·0	"	0·5	
2·29	...	...	77·8	55·2	·158	16	ESE	20·0	"	0·5	
2·32	·420	·859	78·2	55·4	·159	15	ESE	20·0	"	0·5	
2·37	·418	·854	78·7	56·2	·175	17	ESE	20·0	"	0·5	
2·51	·417	·853	78·6	55·7	·159	17	ESE	20·0	"	...	
3·7	·417	·853	78·8	55·3	·148	14	ENE	14·0	"	...	
3·22	·417	·851	79·2	55·4	·146	14	ESE	14·0	"	...	
3·37	·417	·849	79·5	55·7	·151	15	ENE	20·0	"	...	
3·52	·419	·854	79·0	55·5	·151	16	ENE	20·0	"	...	
4·7	·419	·853	79·2	55·7	·154	16	ENE	16·0	"	...	
4·22	·417	·848	79·7	56·2	·162	16	ENE	16·0	"	...	

No 27 Lat. 27° 3′ N. **DARJEELING.** Long. 88° 18′ E

Ninety-five miles from central line of totality Greatest obscuration 9

Hour Madras time	Barometer Corrected and reduced to 32° F	Dry bulb corrected	Wet bulb corrected	Aqueous vapour pressure	Relative humidity	Wind Direction	Wind Amount since preceding interval in miles per hour	Cloud Proportion	Cloud Kind	Cloud Direction of motion	Proportion of eclipse totality in	Weather and other remarks
A M	"	°	°	"	%							
9·28	23 020	46·4	38 1	145	45	ENE		4	Ci Cu Ci	S		Cloud greatest in SW Dull and hazy on far hills
9 43	026	46 5	38 1	144	43	ESE	4 0	4	Cu	SE		Ditto ditto
9 58	030	46 6	38 1	143	44	ENE	4 4		Cu A S	S		
10 13	032	47 4	37 7	127	39	E	3 6		Cu	S		Cloud greatest in SW Colour light pink on far hills in distance
10·28	020	45 6	41 1	·212	69	NNE	2 4	5	Cu	S		Cloudy and hazy clouds turning pink when approaching snow
10 43	·016	45·2	40·8	210	70	NW	2·4	6	Ci S	E		Still cloudy and hazy
10 58	·010	45·4	40 3	199	65	NW	1 2	7	N Ci	N		Sun obscured by dark heavy clouds
11 13	010	44 0	40 3	213	74	NW	1·2	7	N, Ci	N		Ditto Clouds on distant hills
11·28	006	44 4	40·3	·209	71	NW	2 4	7	N, Fr Cu	E		Ditto High hills not visible
11·43	006	45 8	42 5	239	77	WNW	4·0	8	A Cu, N Ci			Sun re-appeared still hazy Dark mass of clouds in S
11 58	006	45·4	41 3	219	71	WNW	2 8	10	S Cu, N			Sunny and hazy Clouds on distant hills
P M												Hazy sudden change in wind direction
0-13	22·996	44 2	40·9	223	76	N	2 0	10	S. Cu, N			Ditto.
0-28	980	43 8	41 3	·235	82	N	2 0	10	N			Sun obscured
0-43	·980	43 8	42 3	255	89	N	1·6	10	N			Ugly
0 48	980	45 4	41 9	231	76	N	1 2	10	N			Do
0 53	982	45 2	41·9	233	77	WNW	2·4	10	N			Do.
0-58	982	44 6	41 5	·231	78	WNW	3 6	10	S Cu N			Clouds changing slowly and steadily
1 3	982	43 6	41 1	233	82	WNW	2 4	10	S Cu			
1 8	968	43 6	41 1	233	82	WNW	2 4	10	S Cu			
1 13	968	44 2	41 3	231	79	WNW	3 6	10	S Cu			
1 18	968	43 6	40·7	225	79	WNW	3 6	10	S Cu			1 21 P M Moon and sun visible over and over again with the rapid movement of clouds
1 23	968	43·8	40 9	227	79	WNW	2 4	10	S Cu		5	Ditto d'tto.
1 28	968	43 2	40 7	229	82	WNW	0	10	S Cu		6	Ugly and hazy ditto d tto.
1 33	968	43 2	40 5	225	80	WNW	1 2	10	S Cu		7	Ditto d tto
1 38	968	42 6	40 3	228	83	WNW	2 4	10	A Cu S Cu	N	8	
1·43	970	42 4	40·3	230	84	WNW	2 4	10	A Cu, N	SW	9	Ugly
1 48	966	42 4	40 1	225	83	WNW	0	10	A Cu, N	S		Sun obscured by ordinary hazy clouds greatest in SW
1 53	960	42 4	40·3	230	84	WNW	0	10	A Cu, N	S	9	Dark gloomy and hazy
1 58	960	42 4	40 3	·230	84	WNW	0	10	A Cu N		9	Ditto d tto.
2·3	·960	42 6	40·5	232	84	WNW	0	8	Fr Cu N	SE to W		Ditto d tto Sun obscured by ordinary
2 8	952	43 2	40·5	·232	84	WNW	0	8	Fr Cu, N	SE to W	8	Ditto d tto. Clouds light pink
2 13	952	43 2	40·8	231	83	WNW	0		Fr Cu, N		7	Ditto d tto d'tto
2 18	952	43 2	40 9	233	83	WNW	1 2	8	Fr Cu, N	N	5	Ditto d tto
2·23	95·	43 2	40 9	233	83	WNW	3 6	8	Cu. N	N	4	Ditto d'tto.
2 8	952	43·2	40 9	233	83	WNW	2 4	8	Fr Cu., N	N	4	Ditto ditto
2 33	952	43 2	40·9	233	83	WNW	6·0	8	Ci S., N			Sun obscured by clouds.
2 38	952	43 4	41 3	239	84	WNW	6 0	8	Ci			Ditto d tto Cu clouds in distant horizon (N).
2·43	9 2	44 0	41 5	237	82	WNW	0	9	Ci	SE		Ditto ditto
2 58	956	43 2	41 3	241	86	NW	4 8	9	Ci, Ci S	SW	1	A Cu clouds from north slowly driven by winds taking place of Ci S. clouds.
3 13	958	43 4	41 3	239	84	NW	1 2	8	C, Ci S	N		Cu below A Cu clouds in distant horizon
3 28	958	43 6	41 5	241	84	NW	0 8	8	Ci.	—		

No. 28. Lat. 19° 56′N. **CHANDA.** Long. 79° 19′E.

One hundred and four miles from central line of totality. Greatest obscuration 9.

Hour. Madras time.	Barometer. Corrected and reduced to 32°F.	Barometer. Reduced to sea-level and constant gravity.	Dry bulb corrected.	Wet bulb corrected.	Aqueous vapour pressure.	Relative humidity	Wind. Direction.	Wind. Amount since preceding interval, in miles per hour.	Cloud proportion.	Proportion of eclipse, totality 10.	Weather and other remarks.
	"	"	°	°	"	%					
A.M.											Sky clear and weather fine throughout, and sun bright.
10·4	29·477	30·082	70·2	58·1	·325	44	WNW	...	*Nil*	...	
10·19	·479	·082	71·6	58·5	·319	42	WNW	1·2	"	...	
10·34	·472	·073	73·2	59·2	·319	39	WNW	1·2	"	...	
10·49	·463	·061	74·6	59·7	·313	37	WNW	1·2	"	...	
11·4	·449	·045	76·1	60·2	·310	34	WNW	0·8	"		
11·19	·446	·040	77·6	60·2	·290	30	WNW	0·4	"		
11·34	·448	·040	79·0	60·3	·275	29	WNW	0·4	"		
11·49	·434	·026	79·0	60·9	·297	30	WNW	0·4	"		
P.M.											Obscuration commenced from WSW.
0·4	·431	·022	79·6	61·7	·311	31	WNW	4·8	"	0·2	
0·9	·420	·009	80·6	62·2	·314	30	...	...	"	0·5	
0·14	·424	·013	80·6	62·2	·314	30	...	...	"	1	
0·19	·420	·009	81·2	62·2	·308	29	Calm	0·4	"	1·5	
0·24	·420	·009	81·2	62·2	·308	29	...	...	"	2	
0·29	·414	·002	81·6	62·7	·317	30	...	...	"	2·5	
0·34	·410	29·998	81·8	62·7	·316	30	WNW	0·4	"	2·8	
0·39	·410	·999	81·0	62·2	·310	29	...	...	"	3	
0·44	·406	·994	80·8	62·2	·313	30	...	...	"	3·5	
0·49	·406	·994	80·8	61·9	·304	29	WNW	0·4	"	4	
0·54	·404	·992	80·8	61·9	·304	29	...	...	"	5	
0·59	·402	·991	80·6	62·7	·331	32	...	...	"	6	
1·4	·400	·989	80·6	62·7	·331	32	Calm	0·4	"	6·5	
1·9	·395	·985	80·4	61·7	·302	30	...	...	"	7	
1·14	·395	·985	80·4	61·7	·302	30	...	...	"	7·5	
1·19	·394	·983	80·0	61·7	·307	30	Calm	0·8	"	7·8	
1·24	·392	·983	78·6	62·7	·357	36	...	...	"	8	
1·29	·384	·975	78·6	62·7	·357	36	...	...	"	8·5	
1·34	·386	·978	76·6	61·7	·351	38	Calm	2·0	"	9	
1·39	·392	·987	76·1	61·7	·358	39	...	...	"	8·8	Began to clear from WSW.
1·44	·389	·983	76·1	61·7	·358	39	...	...	"	8·5	
1·49	·381	·975	76·1	61·7	·358	39	Calm	2·8	"	8	
1·54	·373	·967	76·1	61·7	·358	39	...	...	"	7	
1·59	·371	·965	76·1	61·7	·358	39	...	...	"	6	
2·4	·375	·969	76·4	61·9	·364	40	WNW	1·2	"	5	
2·9	·377	·968	78·4	63·7	·401	41	...	...	"	4	
2·14	·377	·968	78·6	63·7	·391	39	...	...	"	3	
2·19	·376	·965	80·1	62·7	·337	32	WNW	1·6	"	2	
2·24	·368	·956	80·6	62·7	·331	32	...	...	"	1·5	
2·29	·372	·960	80·8	62·7	·330	32	...	...	"	1·3	
2·34	·374	·961	81·0	62·7	·327	31	WNW	0·4	"	1	
2·39	·378	·965	81·4	62·5	·314	30	...	...	"	0·5	
2·44	·376	·963	81·6	62·3	·306	29	...	...	"	0·3	
2·49	·380	·967	81·6	62·3	·306	29	WNW	0·4	"		
3·4	·380	·965	82·6	61·7	·271	25	N	4·4	"	...	
3·19	·373	·958	82·6	61·9	·271	25	Calm	0·4	"	...	
3·34	·375	·959	83·6	62·7	·291	26	Calm	1·6	"	...	
3·49	·377	·962	82·6	61·9	·281	25	N	2·8	"	...	
4·4	·377	·962	83·6	62·7	·291	26	N	4·0	"	...	

No 29 Lat. 22° 45' N. HOSHANGABAD. Long 77° 46' E.

One hundred and twelve miles from central line of totality Greatest obscuration 9

Hour Madras time	Barometer Corrected and reduced to 32° F	Barometer Reduced to sea-level and constant gravity	Dry bulb corrected	Wet bulb corrected	Aqueous vapour pressure	Relative humidity	Wind Direction	Wind Amount since preceding interval in miles per hour	Cloud proportion	Proportion of eclipse totality 10	Weather and other remarks.
	"	"	°	°	"	%					
A M											
10-10	29 079	30·081	67 9	59 7	413	60	ENE		*Nil*		Sky blue.
10 25	078	076	69·9	60 0	395	54	NE	3 6	"		Ditto
10-40	·074	069	71 7	61 4	417	53	NE	0·8	"		Ditto
10-55	·071	064	72 7	62 0	425	53	Calm	4 4	"		Ditto
11-10	·066	057	73·1	62 2	424	52	Calm	0 4	"		Ditto
11 25	064	051	74 9	63 2	435	49	E	0 8	"	"	Ditto.
11-40	0,6	039	76·9	64 0	435	47	NE	2 4	"		Ditto.
11 55	045	·026	78 1	65·0	456	47	NE	3 6	"		Ditto
P M											
0-10	043	022	78·9	65 4	459	47	Calm	1 6	"		Ditto.
0 20	041	019	79 4	65 2	446	44	Calm	0	"	1	Eclipse commenced from SW to NW
0-25	036	012	79 9	66 8	495	49	Calm	1·2	"	2	
0-30	030	005	80 4	67 2	503	48	Calm	0		2	
0 35	·026	·001	80 7	67 4	506	48	Calm	0	"	3	
0 40	024	29·999	80 5	66 8	488	47	Calm	0	"	3	
0 45	024	30·000	79 9	66·4	481	47	Calm	0	"	4	
0 50	018	29·993	79 9	65 8	461	45	Calm	1 2	"	4	
0-55	016	991	79 9	65 8	461	45	Calm	0	"	5	
1-0	·016	·991	79·9	65 8	461	45	Calm	0	"	5	
1 5	014	990	79 7	65·4	449	44	Calm	0	"	6	
1-10	010	989	78 1	64 6	442	46	Calm	0	"	6	
1 15	008	987	77 9	64 8	451	47	Calm	0	"	7	
1 20	006	·986	77 7	64 8	452	47	Calm	0	"	7	
1 25	003	·983	77 5	64 6	448	47	Calm	0	"	8	
1 30	001	983	76 7	64·2	446	48	Calm	0	"	8	
1 35	28·999	·983	75 5	63 8	448	51	Calm	0	"	9	
1 40	995	·979	75 5	63 8	448	51	Calm	0	"		Obscuration began to decrease
1 45	993	977	75·3	63 4	435	49	Calm	0	"		
1 50	·991	976	75 1	63 2	431	49	Calm	0	"		
1 55	993	·977	75·3	63 6	414	50	Calm	0	"		
2-0	997	981	75 7	63 8	444	50	Calm	0	"		
2 5	991	·974	75 9	64 0	448	50	Calm	0	"		
2 10	983	·965	76 7	64 2	446	48	Calm	0	"		
2 15	991	·972	77 7	64 8	432	47	Calm	0	"		
2 20	991	971	77·9	65 0	456	47	Calm	0	"		
2 25	986	964	78 3	65 4	465	47	Calm	0	"		
2 30	986	·964	78 7	65 8	474	48	Calm	0	"		
2 35	·988	964	79 7	65·8	462	45	NE	2 4	"		
2 40	988	963	79 9	66·0	466	45	NE	9 6	"		
2 45	·990	·966	80·1	66 2	470	45	NE	2 4	"		
2 50	990	965	80 4	66·4	475	45	NE	2 4	"		
2 55	988	962	80 7	66 6	4,8	46	NE	1 2	"		Obscuration ended
3 10	·986	959	80·9	66 4	468	44	NE	2 8	"		
3 25	·988	960	81 4	66 8	476	45	Calm	3·6	"		
3 40	988	·961	81 1	66·6	473	45	NE	2 4	"		
3 55	998	·972	80 9	66 4	468	44	Calm	2·4	"		
4 10	998	972	80 9	65 8	448	43	Calm	2 4	"		

No. 30. Lat. 21° 49′ N. KHANDWA. Long. 76° 23′ E.

One hundred and twenty miles from central line of totality. Greatest obscuration 9.

Hour.	Barometer.			Dry bulb corrected.	Wet bulb corrected.	Aqueous vapour pressure.	Relative humidity.	Wind.		Cloud proportion.	Weather and other remarks.
Madras time.	Corrected and reduced to 32° F.	Reduced to sea-level and constant gravity.						Direction.	Amount since preceding interval, in miles per hour.		
A.M.	"	"		°	°	"	%				
10·15	29·033	30·056		74·9	56·3	·225	26	Calm	...	*Nil*	
10·30	·033	·053		76·4	57·3	·235	26	E	1·6	"	
10·45	·029	·046		77·9	58·8	·261	28	Calm	2·4	"	
11·0	·024	·037		80·1	59·8	·263	25	E	4·0	"	
11·15	·020	·030		80·6	59·3	·241	22	E	2·8	"	
11·30	·017	·024		82·6	59·3	·217	19	E	4·0	"	
11·45	·004	·010		82·8	58·6	·200	18	E	3·2	"	
12·0	28·997	·000		84·4	59·6	·204	17	ESE	4·8	"	Eclipse commenced from S.W.
P.M.											
0·10	·995	29·998		84·6	60·6	·232	20	Calm	1·2	"	
0·15	·993	·996		84·4	60·3	·225	19	ENE	4·8	"	
0·20	·991	·994		84·4	59·7	·208	18	Calm	1·2	"	
0·25	·989	·992		83·9	60·3	·232	20	NE	2·4	"	
0·30	·986	·989		83·9	60·3	·232	20	NE	2·4	"	
0·35	·982	·984		84·7	61·8	·266	22	NNE	6·0	"	
0·40	·980	·983		83·9	60·3	·232	20	ENE	6·0	"	
0·45	·979	·982		84·1	61·5	·266	23	NE	2·4	"	
0·50	·975	·978		83·8	59·3	·202	17	ENE	1·2	"	
0·55	·973	·977		83·4	58·8	·193	17	ESE	4·8	"	
1·0	·972	·977		83·1	59·3	·210	18	ENE	4·8	"	
1·5	·967	·971		82·8	59·1	·209	19	E	3·6	"	
1·10	·965	·969		82·8	59·1	·209	18	E	3·6	"	
1·15	·959	·964		82·4	58·8	·205	19	E	3·6	"	Weather became hazy.
1·20	·958	·964		81·9	58·6	·205	19	E	4·8	"	
1·25	·956	·963		81·4	59·3	·232	21	Calm	2·4	"	
1·30	·957	·965		80·9	59·3	·238	22	E	2·4	"	Blue sky.
1·35	·950	·960		80·0	59·3	·249	24	NE	1·2	"	
1·40	·950	·960		79·9	58·3	·221	22	NE	2·4	"	
1·45	·951	·961		79·9	58·3	·221	21	NE	1·2	"	
1·50	·950	·960		79·9	58·3	·221	21	NE	2·4	"	
1·55	·949	·958		80·4	58·3	·215	20	E	3·6	"	
2·0	·949	·956		81·4	58·8	·218	20	ENE	3·6	"	
2·5	·944	·951		81·4	59·3	·232	21	ENE	6·0	"	
2·10	·944	·950		81·9	58·8	·211	20	ENE	3·6	"	
2·15	·941	·946		82·4	59·3	·220	20	NE	2·4	"	
2·20	·939	·942		82·9	59·5	·218	20	NE	9·6	"	
2·25	·938	·941		83·1	59·6	·220	20	NE	3·6	"	
2·30	·938	·940		83·4	59·8	·222	20	NE	2·4	"	
2·35	·939	·940		84·0	59·8	·215	19	Calm	7·2	"	
2·40	·940	·941		84·4	59·8	·210	18	NE	2·4	"	
2·45	·941	·943		83·9	58·8	·187	16	ESE	6·0	"	
2·50	·939	·937		85·4	61·0	·233	19	NE	3·6	"	
2·55	·939	·935		86·4	61·4	·234	18	N	3·6	"	
3·0	·940	·939		85·4	59·5	·187	16	E	2·4	"	
3·15	·941	·941		84·9	61·0	·239	20	NE	6·0	"	
3·30	·942	·941		85·5	59·3	·181	14	E	4·8	"	
3·45	·940	·938		85·9	60·3	·207	17	NE	4·0	"	
4·0	·940	·937		86·4	60·3	·201	16	NE	7·6	"	
4·15	·944	·941		86·4	60·3	·201	16	NE	4·0	"	Eclipse terminated to N.W

No 31 Lat 21° 15′ N RAIPUR Long 81° 41′ E

One hundred and twenty eight miles from central line of totality Greatest obscuration 9

Hour Madras time	Barometer Corrected and reduced to 32° F	Barometer Reduced to sea level and constant gravity	Dry bulb corrected	Wet bulb corrected	Aqueous vapour pressure	Relative humidity	Wind Direction	Wind Amount since preceding interval in miles per hour	Cloud proportion	Proportion of eclipse totality 10	Temperature of solar radiation corrected	Weather and other remarks
A.M.	"	"	°	°	"	%					°	
10 4	29·096	30·034	71·6	59·3	·342	46	Calm		*Nil*			
10 14	·099	·034	73·0	59·9	·343	43	Calm	0	"			
10·24	·099	·032	74·0	59·9	·330	40	Calm	0	"			
10·34	·100	·032	74·4	59·8	·321	38	Calm	0·6	"			
10·44	·098	·027	76·0	60·9	·335	38	Calm	0	"			
10 54	·094	·022	76·6	60·4	·311	34	Calm	0	"			
11 4	·092	·019	76·3	60·3	·311	34	E	1·2	"			
11·14	·086	·013	76·7	60·1	·301	33	Calm	0·6	"			
11 24	·080	·004	77·9	60·9	·309	32	Calm	0				
11 34	·075	29·998	78·6	60·5	·288	30	E	1·2	"	"		
11·44	·073	·995	78·8	60·9	·297	30	Calm	0·6	"	"		
11·54	·063	·983	79·3	60·9	·290	29	Calm	0	"		138·3	
P.M.												
0· 4	·062	·980	80·5	61·9	·307	30	Calm	0·6	"		"	
0 14	·056	·974	80·7	61·4	·289	27	Calm	0	"			Eclipse commenced from west.
0·19	·051	·968	80·9	61·8	·302	29	Calm	0	"	1	131·3	
0 29	·047	·965	80·7	60·9	·272	26	Calm	0·6	"	2		
0·34	·043	·961	80·6	61·6	·296	29	Calm	1·2	"	3		
0 44	·037	·955	80·1	61·4	·296	29	Calm	0	"	4	109·3	
0 49	·040	·938	80·7	61·5	·292	29	Calm	0	"	5		
0·54	·032	·950	80·2	61·2	·289	28	Calm	0	"	5		
1· 4	·032	·950	80·1	60·9	·281	28	Calm	0·6	"	6		
1 9	·027	·946	79·7	61·3	·297	29	Calm	2·4	"	7	83·3	
1·19	·026	·946	78·8	59·9	·265	27	Calm	0	"	8		
1 24	·023	·944	78·7	60·2	·277	28	E	2·4	"	9		
1 29											75·3	
1 34	·021	·944	77·7	60·9	·312	33	Calm	0	"			
1 39					—						85·3	
1 44	·017	·940	77·6	60·2	·291	30	Calm	0	"			
1 49											96·3	
1 54	·016	·939	77·6	60·9	·313	33	Calm	0	"	9		
1 59	·014	·935	77·9	60·7	·303	31	Calm	0	"	7	107·3	
2 9	·016	·936	78·6	61·2	·310	31	Calm	0	"	4	116·3	
2 19	·014	·933	78·8	60·9	·297	30	Calm	0	"	3	123·3	
2 29	·014	·933	79·6	61·6	·309	31	Calm	0	"	1	129·3	
2 39	·012	·929	79·8	61·3	·297	29	Calm	0	"			
2 49	"										135·3	
2 54	·012	·929	80·0	61·9	·314	31	Calm	0	"			
2· 9	·014	·930	80·6	61·9	·305	30	Calm	0	"			
2·19	·015	·929	81·5	61·3	·274	26	Calm	0	"			
2 24	"										122·3	
2 29	·017	·933	80·6	61·4	·276	28	SE	0·6	"			
2·34	·015	·930	80·8	60·7	·265	26	Calm	0	"			
2 44	·015	·931	80·7	61·5	·292	29	SSE	0·6	"			
2 54	·017	·933	80·6	61·3	·287	27	Calm	0	"			

No. 32. Lat. 25° 50′ N. **PURNEA.** Long. 87° 34′ E.

One hundred and thirty-four miles from central line of totality. Greatest obscuration 9·5.

Hour. Madras time.	Barometer. Corrected and reduced to 32° F.	Barometer. Reduced to sea-level and constant gravity.	Dry bulb corrected.	Wet bulb corrected.	Aqueous vapour pressure.	Relative humidity	Wind. Direction.	Wind. Amount since preceding interval, in miles per hour.	Cloud, kind and proportion.	Proportion of eclipse, totality 10.	Weather and other remarks.
A.M.	"	"	°	°	"	%					
9·31	29·958	30·043	66·8	59·6	·416	63	SW	...	*Nil*	...	
9·39	·954	·039	67·4	59·6	·408	61	...	...	"	...	
9·46	·949	·034	67·8	59·6	·403	59	SW	3·2	"	...	
9·56	·946	·030	69·6	60·0	·393	54	...	...	"	...	
10·1	·941	·025	70·0	60·0	·386	53	WSW	3·6	"	...	
10·16	·938	·022	70·2	60·4	·396	53	W	2·0	"	...	
10·31	·930	·014	71·8	61·4	·405	52	W	0·8	"	...	
10·41	·928	·012	72·8	61·6	·400	50	...	...	"	...	
10·49	·925	·008	73·0	61·8	·401	50	WNW	1·3	"	...	
11·1	·921	·004	73·8	62·0	·400	48	WNW	1·5	"	...	
11·11	·914	29·997	73·8	62·0	·400	48	...	...	"	...	
11·23	·908	·991	74·2	62·1	·398	47	NNW	1·4	"	...	
11·36	·896	·979	74·8	62·2	·393	45	WNW	2·3	"	...	
11·46	·888	·970	75·0	61·8	·377	44	...	...	"	...	
11·53	·885	·967	75·0	62·0	·384	44	SW	2·5	"	...	
P.M. 0·1	·878	·960	75·8	62·0	·373	42	...	...	"	...	
0·11	·876	·958	75·8	62·4	·385	43	SW	2·3	"	...	Eclipse commenced from SW.
0·21	·870	·952	76·0	62·6	·389	44	...	...	"	...	
0·31	·866	·948	76·8	61·8	·353	38	SSW	3·3	Cu.	1	
0·36	·862	·944	76·2	62·0	·368	40	...	...	Cu.	2	
0·41	·864	·946	76·2	62·2	·374	41	SSW	5·4	Cu.	...	
0·51	·860	·942	76·0	62·6	·389	44	...	...	Cu.	3	
0·56	·858	·940	75·8	62·0	·373	42	W	3·2	Cu.	4	
1·3	·852	·934	75·8	62·2	·380	43	...	...	Cu.	5	
1·9	·850	·932	75·6	61·4	·357	39	WNW	3·7	Cu.	6	
1·16	·850	·932	75·4	61·4	·359	40	...	...	Cu.	7	
1·22	·848	·930	75·0	61·2	·358	41	W	2·3	*Nil*	8	
1·31	·851	·933	74·4	61·1	·363	42	Calm	1·3	"	9	
1·37	·847	·929	73·8	61·0	·367	44	...	...	"	9·5	Air cool and sky dark, daylight diminished so as to resemble the dim light imparted by a setting sun after heavy shower in the rainy season.
1·43	·844	·926	73·0	61·0	·378	46	Calm	0	"	9	
1·51	·842	·925	71·4	61·2	·406	52	...	...	"	8	
1·56	·842	·925	70·8	61·1	·411	54	Calm	0	"	...	
2·1	·843	·926	70·2	61·0	·415	56	...	...	"	7	
2·6	·843	·926	70·0	61·6	·436	59	Calm	0	"	...	
2·13	·839	·922	70·2	62·0	·446	60	...	...	"	6	
2·18	·835	·918	70·8	62·0	·440	58	W	0	"	5	
2·26	·839	·922	71·8	63·1	·463	59	...	...	"	4	
2·31	·835	·918	72·8	63·1	·450	55	Calm	1·2	"	...	
2·39	·837	·919	73·8	62·4	·412	49	...	...	"	3	
2·46	·837	·919	74·2	62·4	·408	48	Calm	0	"	2	
2·56	·838	·920	75·3	62·4	·392	44	...	...	"	1	Eclipse terminated.
3·1	·836	·918	75·3	62·6	·400	45	WNW	1·6	"	...	
3·16	·838	·920	75·2	62·6	·401	46	NW	2·8	"	...	
3·26	·840	·922	75·2	62·6	·401	46	...	...	"	...	
3·37	·842	·924	74·8	62·2	·393	45	WNW	1·6	"	...	

No 33 Lat 14° 50′ N KARWAR. Long 74° 15′ E

One hundred and thirty-six miles from central line of totality Greatest obscuration 9

Hour. Mad as time.	Barometer. Corrected and reduced to 32° F	Reduced to sea level and constant gravity	Dry bulb corrected	Wet bulb corrected	Aqueous vapour pressure	Relative humidity	Wind. Direction	Wind. Amount since preceding interval, in miles per hour	Cloud proportion	Proportion of eclipse, totality 10	Weather and other remarks.
A.M	"	"	°	°	"	%					
10·24	29·985	29·962	73 6	65·3	514	62	Calm		Nil		
10·39	·990	966	76 6	65 5	482	53	Calm	0	"		Fine clear weather
10 54	·988	964	77 6	66 3	496	52	NW	1 6	"		
11·9	977	953	79·6	66 5	476	46	NW	2 0	"		
11 24	974	950	80·7	66 7	468	45	NW	2·0	"		
11 39	969	·945	81 5	66 4	448	42	NW	4 8	"		
11·44	·964	·940	82 4	66 7	445	41	NW	6·0	"		Eclipse commenced Lom westerly direction
11·49	967	·943	82 6	66·8	447	40	NW	2 4	"	1	
11 54	·964	940	82 9	66·1	418	37	NW	6 0	"	1	
11 59	964	940	82 6	66 6	439	40	W	3 6	"	2	
P M											
0· 4	961	937	82 0	66 3	437	40	W	4 24	"	2	
0· 9	958	934	82 1	66·3	436	39	W	2 0	"	3	
0·14	·956	932	82·6	67 5	473	43	W	2 4	"	3	
0·19	952	928	82 0	66 6	447	41	W	3·6	"	4	
0 24	·952	·928	81 9	66·6	449	41	W	4 8	"	4	
0·29	·954	930	82 1	66 8	454	41	W	6 0		5	Pale rose colour of the sun changing into saffron red
0·34	954	930	81 5	67·4	483	45	WNW	6·0	"	5	
0 39	952	·928	81 1	67 6	496	47	NW	6·0	"	6	Sun began to lose brilliancy
0 44	950	926	80·9	67 5	495	47	W	3 6	"	6	
0·49	948	924	80 1	67·3	499	48	W	4 8	"	7	Atmosphere dull and hazy Appearance of the sun deep saffron red Sun looked like new moon Darkness increasing
0·54	947	923	78 9	66 8	497	51	WNW	2 4	"	7	
0·59	947	923	77 3	67·6	547	58	W	4 8		8	
1·4	·947	923	77 1	68 5	583	62	W	2 4	"	8	Colour changing to dark saffron Corona visible
1·9	943	919	75·3	67 5	571	65	Calm	1 2	"	9	Darkness prevailed
1 14	942	·918	74 4	66 8	557	66	Calm	0	"	9	
1·19	940	916	74 1	66·8	561	66	Calm	0	"	9	
1·24	·937	·913	73 3	65 8	536	65	Calm	0	"		...ursh ne increasing Colour of the sun saffron red Perfectly calm
1·29	935	911	74 2	66 1	534	63	Calm	0	"		
1·34	932	908	74 6	66 5	544	64	Calm	0			
1 39	928	904	75 5	67 3	559	63	Calm	0	"		
1 44	·928	904	76 4	68 2	581	63	Calm	0	"		
1 49	924	·900	77 3	68 5	553	55	Calm	0	"		
1·54	916	892	78 9	68 2	547	55	Calm	0	"		
1 59	918	894	79 5	67 8	524	52	WNW	4 8	"		
2 4	915	891	80 4	68 2	527	51	W	6 0	"		
2·9	913	889	81 1	68 3	522	49	W	8·4	"		
2 14	911	887	81 6	68 7	529	49	W	3 6			
2 19	909	885	82 1	68 3	508	46	W	6 0	"		
2 24	905	881	82 4	68 2	500	45	W	6 0			
2·29	904	880	83 6	68 3	488	42	W	7 2	"		
2 34	900	876	84 1	67 9	467	40	W	4 8	"		
2·39	899	875	84 1	67 2	441	37	W	10·8	"		Eclipse terminated Sun res me b illiancy
2 54	894	870	85 4	68·3	464	38	W	4 4			
3·9	892	868	86·0	67 6	439	35	W	4 0	"		
3·24	889	865	85 9	67 8	439	36	W	4 8			
3 39	887	863	85 5	67 5	437	36	W	6 8	"		
3 54	893	869	85·4	67 6	438	36	W	4 4	"		
4·9	897	873	85 8	66 9	407	33	W	3 2			Fine clear weather
4 24	897	873	85 1	67 5	439	37	W	3 6	"		

No. 34. Lat. 26° 10′ N. BHAGALPUR. Long. 86° 58′ E.

One hundred and forty-four miles from central line of totality. Greatest obscuration 9.

Hour.	Barometer.		Dry bulb corrected.	Wet bulb corrected.	Aqueous vapour pressure.	Relative humidity.	Wind.		Cloud proportion.	Proportion of eclipse, totality 10.	Weather and other remarks.
Madras time.	Corrected and reduced to 32° F.	Reduced to sea-level and constant gravity.					Direction.	Amount since preceding interval, in miles per hour.			
A.M.	″	″	°	°	″	%					
10 0	29·901	30·018	72·4	60·3	·363	46	Calm	...	*Nil.*	...	
10-15	·892	·009	73·4	60·9	·369	45	Calm	0	,,	...	
10-30	·886	·003	74·7	60·9	·351	41	Calm	0	,,	...	
10-45	·884	·000	75·1	62·4	·396	45	S	0·4	,,	...	
11-0	·876	29·993	74·9	61·4	·366	42	Calm	0·8	,,	...	
11-15	·872	·988	76·1	62·1	·372	41	SW	2·8	,,	...	
11-30	·860	·976	76·1	61·7	·360	40	SSW	1·6	,,	...	
11-45	·856	·972	76·5	61·9	·362	40	SSW	0	,,	...	
12-0	·841	·957	78·2	63·1	·378	39	Calm	0·4	,,	...	
P.M.											
0-15	·833	·949	78·3	62·4	·353	36	WNW	2·0	,,	...	First contact took place at 0 30 P.M.
0-30	·823	·939	77·8	61·9	·344	36	WNW	0·4	,,	...	
0-40	·821	·937	78·0	61·9	·342	36	SW	1·8	,,	1	
0-50	·817	·933	78·4	62·5	·355	37	Calm	1·8	,,	2	
0-56	...	...	...	...	...	...	...	...	...	3	
1-0	·802	·918	78·0	62·4	·357	37	Calm	1·2	,,	4	
1-10	·802	·918	77·8	61·9	·344	36	W	0·6	,,	5	
1-20	·802	·918	77·4	62·9	·382	41	Calm	1·2	,,	6	
1-30	·791	·907	77·0	61·9	·355	38	Calm	0	,,	7	
1-40	·798	·914	76·3	62·7	·390	44	Calm	0·6	,,	8	
1-50	·798	·914	75·1	62·7	·405	46	Calm	0	,,	9 at 1-55 P.M.	
2-0	·796	·913	73·7	61·7	·392	47	Calm	0	,,	...	Greatest phase at 1-57 P.M. The eclipse occupied altogether 3 hours 38 minutes 7 seconds. The centre of the sun was covered at 1-10 P.M. and almost immediately, the shadows deepened and the lessening of the sun's rays became appreciable. The dark haze which obscured the N. and N.E. horizons intensified gradually, and S. and S.W. horizons looked dull yellowish. Colours were greatly modified—juxtaposed bands of rainbow coloured paper during the time of greatest phase paled visibly, the most refrangible ones almost disappearing. A series of more or less bright *incomplete* halos formed regular cirrus appeared near the sun at noon and irradiated. Luminous fringes and very indistinct oscillating shadows seemed to travel across the horizon during the greatest phase. This was observed by projection on a large white sheet spread on the ground; their width being about 2½ inches and seemed tinted. The fringes appeared to be bands of pink, orange and red, separated by dark stripes. The haze deepened and covered the sky to N. and N.E., subsiding gradually after the time of greatest phase till 3·6 P.M. when it quite vanished.
2-10	·794	·911	73·9	63·3	·442	53	Calm	0	,,	...	
2-20	·796	·913	74·1	63·9	·459	55	Calm	0	,,	...	
2 30	·798	·914	75·1	63·3	·426	49	Calm	0	,,	...	
2-40	·798	·914	75·9	62·5	·388	44	Calm	0	,,	...	
2-50	·796	·912	76·1	61·9	·367	41	Calm	0	,,	...	
3 0	·789	·905	77·0	62·9	·387	42	NE	0	,,	...	
3-10	·793	·909	77·0	62·7	·380	41	Calm	0	,,	...	
3-25	·799	·915	77·3	63·1	·389	42	N	0	,,	...	
3-40	·800	·916	77·0	62·1	·360	38	Calm	0	,,	...	
3-55	·799	·915	77·8	63·5	·396	42	Calm	0	,,	...	
4-10	·807	·923	76·8	63·4	·406	44	Calm	0	,,	...	

No. 35. Lat. 24° 0′ N. HAZARIBAGH. Long. 85° 24′ E.

One hundred and forty-eight miles from central line of totality. Greatest obscuration 9.

Hour.	Barometer.						Wind.		Cloud proportion.	Proportion of eclipse, totality 10.	Weather and other remarks.
Madras time.	Corrected and reduced to 32° F.	Reduced to sea-level and constant gravity.	Dry bulb corrected.	Wet bulb corrected.	Aqueous vapour pressure.	Relative humidity.	Direction.	Amount since preceding interval, in miles per hour.			
A.M.	"	"	°	°	"	%					
9·39	28·010	30·009	69·9	55·4	·261	35	WNW	...	*Nil*	...	
9·54	·008	·004	70·8	55·9	·263	35	WNW	10·4	"	...	
10·9	·007	·001	71·1	55·8	·257	34	WNW	9·2	"	...	
10·24	·006	29·996	71·9	55·8	·248	32	NW	12·0	"	...	
10·39	·004	·992	72·7	56·2	·249	31	NW	12·0	"	...	
10·54	27·997	·983	73·0	56·4	·251	31	NW	14·4	"	...	
11·9	·991	·976	73·1	56·4	·250	31	NW	10·8	"	...	
11·24	·985	·967	73·7	56·4	·242	28	NW	18·8	"	...	
11·39	·978	·958	74·1	57·0	·255	30	NNW	14·8	"	...	
11·54	·968	·946	74·4	56·9	·248	29	NW	14·4	"	...	
P.M.											
0·9	·962	·937	74·9	57·2	·251	29	NW	11·2	"	...	
0·24	·959	·934	74·9	57·2	·251	29	NW	14·4	"	...	Fine, clear weather.
0·28	·950	·921	76·0	57·8	·255	29	NW	22·5	"	1	
0·34	·950	·923	75·6	57·1	·239	27	NW	9·0	"	2	
0·39	·948	·918	75·9	57·6	·250	28	NW	12·0	"	2	
0·44	·945	·916	75·8	56·9	·229	26	NNW	15·6	"	3	
0·49	·945	·917	75·6	56·9	·233	27	WNW	12·0	"	4	
0·54	·945	·918	75·2	57·1	·245	28	NNW	14·4	"	4	
0·59	·943	·915	75·5	57·5	·245	29	NNW	12·0	"	4	
1·4	·941	·915	74·9	56·9	·242	28	NNW	13·2	"	4	
1·9	·937	·911	74·9	56·9	·242	28	NNW	12·0	"	5	
1·14	·933	·908	74·6	56·1	·223	26	NNW	13·2	"	5	
1·19	·933	·910	73·9	55·9	·226	27	NNW	15·6	"	6	
1·24	·931	·910	73·4	55·9	·232	28	NW	14·4	"	7	
1·29	·933	·914	72·9	55·6	·230	28	NW	13·2	"	8	
1·34	·931	·914	72·6	55·6	·234	29	NNW	12·0	"	9	
1·39	·931	·916	71·9	55·2	·231	29	NW	9·6	"	9	Sunlight gloomy.
1·44	·932	·919	71·5	54·9	·227	30	NW	14·4	"	9	
1·49	·932	·922	70·9	54·9	·229	31	NW	10·8	"	9	
1·54	·931	·922	70·6	55·2	·245	32	NW	12·0	"	8	
1·59	·931	·912	70·5	55·1	·257	35	NW	4·8	"	8	
2·4	·93	·912	70·6	55·5	·256	35	NW	7·2	"	7	
2·9	·929	·918	70·9	55·9	·263	35	NW	6·0	"	7	
2·14	·928	916	71·3	56·0	·260	34	NW	7·2	"	4	
2·19	·928	·914	71·7	56·4	·267	34	WNW	8·4	"	3	
2·24	·926	911	72·0	56·7	·272	35	WNW	6·0	"	3	
2·29	·925	·908	72·6	56·8	·263	33	WNW	9·6	"	2	
2·34	·925	·905	73·3	57·1	·268	33	NW	9·6	"	2	
2·39	·923	·902	73·6	56·9	·264	31	NW	9·6	"	1	Fine, clear weather.
2·44	·922	·900	73·6	56·7	·251	30	NW	9·6	"	1	
2·49	·920	·896	73·9	56·9	·255	30	NW	12·0	"	1	
2·54	926	·903	74·0	56·9	·254	30	WNW	15·6	"	1	
2·59	·926	·903	73·9	56·8	·252	30	WNW	13·2	"	...	
3·14	·925	·901	74·3	56·6	·241	28	WNW	12·4	"	...	
3·29	927	·901	73·9	56·6	·246	29	WNW	14·8	"	...	
3·39	·930	·907	74·1	56·9	·252	30	WNW	12·0	"	...	

No. 36. Lat. 23° 23′ N. RANCHI. Long. 85° 22′ E.

One hundred and seventy-six miles from central line of totality. Greatest obscuration 9.

Hour. Madras time.	Barometer. Corrected and reduced to 32° F.	Barometer. Reduced to sea-level and constant gravity.	Dry bulb corrected.	Wet bulb corrected.	Aqueous vapour pressure.	Relative humidity.	Wind. Direction.	Wind. Amount since preceding interval, in miles per hour.	Cloud proportion.	Proportion of eclipse, totality 10.	Weather and other remarks.
	″	″	°	°	″	%					
A.M.											
9·39	27·886	30·003	...	...	...	...	...	...	*Nil*	...	Blue sky, no cloud; sun shines brightly, wind blows gently.
9·49	...	...	69·5	54·3	·236	33	NW	...	,,	...	Do. Do. Do.
9·54	...	...	...	...	...	...		...	,,	...	Do. Do. Do.*
10·4	·881	29·991	...	...	...	...	...	...	,,	...	Do. Do. wind blows a little strong.
10·14	...	...	71·0	55·0	·236	31	...	...	,,	...	Do. Do. Do.
10·19	...	...	...	...	...	...	*NNW*	7·7	,,	...	*Do. Do. Do.*
10·29	·865	·966	...	...	...	...	...	...	,,	...	Do. Do. Do.
10·39	...	...	72·7	55·7	·235	29	NW	6·2	,,	...	*Do. Do. Do.*
10·44	...	...	...	...	...	...		...	,,	...	Do. Do. Do.
10·54	·856	·956	...	...	...	...	...	...	,,	...	
11·4	...	...	73·1	55·9	·236	28	NW	...	,,	...	Do. Do. Do.
11·9	...	...	...	...	...	...		9·8	,,	...	Do. Do. Do.
11·19	·855	·949	...	...	...	...	...	...	,,	...	Do. Do. Do.
11·29	...	...	74·5	56·3	·230	27	NW	7·9	,,	—	Do. Do. Do.
11·34	...	...	...	...	...	...		...	,,	...	Do. Do. Do.
11·44	·849	·938	...	...	...	...	...	...	,,	...	Do. Do. Do.
11·54	...	...	75·4	56·5	·223	26	WNW	9·6	,,	...	Do. Do. Do.
11·59	...	...	...	...	...	...			,,	...	Do. Do. Do.
P.M.											
0·9	·838	·921	...	...	...	...	...	...	,,	...	Absorption commenced. Do. Do. Do. The sun looks red though black glass but all round.
0·19	...	...	76·8	57·3	·236	26	NW	7·9	,,	1	Do. Do. Do. Obscuration from S, obscured part black but the rest red.
0·24	...	...	...	...	...	...			,,	1	Blue sky, no cloud, sun shines brightly, wind blows gently.
0·34	·824	·907	...	...	...	...	...	...	,,	2	Do. Do. Do. Do.
0·44	...	...	76·6	57·2	·228	124		...	,,	3	0·44 P.M. to 2·59 P.M.—Dust haze in horizon. Zenith blue, no cloud. The rays of the sun diminishing. The wind blows a little strong. *Obscured portion black and unobscured portion red.* All about the sun and of the sky is being seen through the dark glass and water.
0·49	...	...	...	...	...	...	NW	7·7	,,	3	
0·59	·822	·909	...	...	...	...	...	...	,,	4	
1·7	...	...	75·8	56·3	·214	23	...	...	,,	4	
1·11	...	...	...	...	...	...	NW	9·2	,,	5	
1·19	·804	·895	...	...	...	...	...	...	,,	6	
1·27	...	...	74·2	55·4	·207	24	...	...	,,	6	1·27 P.M. The sun shines as he shines after 5 P.M.
1·31	...	...	...	...	...	...	WNW	8·1	,,	7	Gentle breeze.
1·39	·808	·904	...	...	...	...	...	...	,,	8	Do.
1·47	...	...	72·9	55·3	·222	27	...	...	,,	9	Do. The obscuration goes away from north.
1·51	...	...	...	...	...	...	WNW	5·4	,,	8	Do. Sun's rays increasing.
1·59	·815	·911	...	...	...	...	...	...	,,	7	Do. Half of sun's obscuration disappeared.
2·7	...	...	73·2	55·8	·230	28	...	...	,,	6	
2·11	...	...	...	...	...	...	NW	1·8	,,	6	Do.
2·19	·813	·905	...	...	...	...	...	...	,,	5	Do.
2·27	...	...	74·2	56·2	·230	27	...	...	,,	4	Do.
2·31	...	...	...	...	...	...	NW	2·1	,,	3	Do.
2·39	·813	·900	...	...	...	...	...	...	,,	2	Do.
2·47	...	...	75·4	56·3	·219	25	...	...	,,	1	Do.
2·51	...	...	...	...	...	...	NW	9·6	,,	1	Do.
2·59	·819	·903	...	...	...	...	...	...	,,	1	Do.
3·9	...	...	76·1	56·9	·227	25	...	...	,,	...	3·9 P.M. to 3·39 P.M. Blue sky, no cloud but dust haze in horizon. The sun shines brightly and the wind blows gently.
3·14	...	...	...	...	...	...	*WNW*	*7·5*	,,	...	
3·24	·816	·902	...	...	...	...	...	...	,,	...	
3·34	...	...	75·8	56·2	21·1	23	...	...	,,	...	
3·39	...	...	...	...	...	...	WNW	8·4	,,	...	

No. 37. Lat. 26° 26′ N. CAWNPORE. Long. 80° 25′ E.

One hundred and ninety-one miles from central line of totality. Greatest obscuration.9.

Hour Madras time.	Barometer. Corrected and reduced to 32° F.	Barometer. Reduced to sea-level and constant gravity.	Dry bulb corrected.	Wet bulb corrected.	Aqueous vapour pressure.	Relative humidity.	Wind. Direction	Wind. Amount since preceding intervals in miles per hour.	Cloud proportion.	Proportion of eclipse, totality. 10	Weather and other remarks.
A.M.	"	"	°	°	"	%					
8·0	29·605	30·004	60·9	50·7	·237	44	WNW	...	*Nil*	...	8 A.M. to 0·39 P.M. fine, clear weather.
10·0	637	·027	71·2	56·5	·264	35	WNW	4·2	,,		Wind vane oscillating from WNW to NNW
10·15	637	·026	72·0	56·8	·262	34	WNW	6·0	,,		
10·27	·641	·029	73·4	57·5	·264	32	WNW	7·5	,,		
10·43	640	·026	73·7	57·5	·261	32	WNW	6·8	,,		
10·58	·635	·021	75·0	57·8	·253	29	WNW	8·8	,,		
11·8	·629	·014	75·9	58·3	·255	28	WNW	..	,,		
11·13	628	·012	76·8	58·3	·243	26	NNW	8·4	,,		
11·28	·621	005	77·2	58·8	·253	27	WNW	6·8	,,	...	Ditto ditto
11·36	·617	29·999	77·5	58·6	·242	26	WNW	...	,,		
11·43	·614	996	77·5	58·3	·234	25	NNW	...	,,		
11·54	·610	·992	..	...	...	...	WNW	...	,,		
11·58	607	988	78·7	59·1	·243	25	WNW	8·8	,,	...	Ditto ditto, W to NW
P.M.											
0·8	·601	·982	...	...	...	...	WNW	...	,,		
0·13	·599	·979	...	...	...	...	WNW	.	,,	...	First contact of eclipse at 0·10 P.M
0·21	598	975	79·7	59·7	·246	25	WNW	...	,,		
0·28	·597	·972	79·3	59·1	·235	24	WNW	10·0	,,	1 at 0·27 P.M.	
0·39	·589	·970	79·4	59·0	·229	23	WNW	10·5	,,	2 at 0·35 P.M.	
0·50	585	·966	79·1	59·1	·237	24	...	9·4	,,	3 at 0·43 P.M	Wind vane oscillating from SSW to W to WNW.
1·0	·581	·962	78·6	58·5	·226	24	WSW	...	,,	4 at 0·53 P.M	Wind vane oscillating, much disturbed.
1·3	579	·960	79·3	58·6	·219	23	WNW	11·0	,,	5 at 1·2 P.M.	Wind vane oscillating, from NNE, through NNW, to WNW.
1·13	·577	959	...	...	...	...	WNW	...	,,	6 at 1·12 P.M	
1·20	573	·955	77·5	58·1	227	24	WNW	7·7	,,	7 at 1·22 P.M.	
1·30	·571	·955	76·3	58·1	·244	27	WNW	6·0	,,	8 at 1·32 P.M.	Sky looked very gloomy.
1·43	·566	·951	75·1	58·1	260	30	Calm	3·7	,,	9 at 1·39 P.M.	Sky dull, all still, not a breath of wind stirring
1·51	562	947	74·9	58·1	·261	30	Calm	...	,,	7 at 1·50 P.M.	
1·56	561	949	...	...	...	...	Calm	...	,,	6 at 1·58 P.M.	
2·3	·564	·949	75·4	59·7	306	35	Calm	1·2	,,	...	Wind vane moves gently for a minute or two and then stands calm.
2·8	560	·944	..	..	...	...	Calm	...	,,	5 at 2·10 P.M	
2·13	·560	·944	76·3	59·2	·277	31	WNW	5·4	,,	4 at 2·20 P.M.	Sky brightening.
2·23	·562	·945	76·8	58·8	·258	28	WNW	3·6	,,	3 at 2·25 P.M.	
2·33	·557	·940	...	...	...	...	Calm	...	,,	2 at 2·30 P.M.	
2·38	557	·939	77·8	58·9	·246	26	Calm	5·6	,,	1	Fine, clear weather. Wind variable
2·50	·560	·941	...	...	...	...	...	...	,,	...	Sky quite blue all over and appears unusually bright.
2·55	558	·939	...	...	...	...	...	...	,,	...	Fine, clear weather. Sun's full disc visible at 2·56 P.M.
3·1	·558	·938	79·6	59·9	·256	26	WNW	6·1	,,	...	Wind vane oscillating from NNW to SSW, and then to WNW.
3·8	·561	943	79·3	59·7	·250	26	WNW	..	,,	...	Fine clear weather. Sky quite bright.
3·13	561	941	79·5	59·8	·254	26	WNW	13·0	,,	...	Wind vane gently moves from WNW to WSW, and *vice versa*.
3·28	·561	·941	79·7	60·7	279	28	WNW	8·0	,,	...	Fine, clear weather wind vane gently moves from WNW to WSW, and *vice versa*.
3·38	566	947	79·3	59·5	248	25	NNW	11·4	,,	...	Fine, clear weather.
3·51	566	947	79·4	59·6	·250	25	WSW	8·1	,,	...	Fine, clear weather.
4·3	569	·950	78·8	59·8	261	27	WSW	...	,,	...	Fine, clear weather.

No. 38. Lat. 22° 44′ N. INDORE. Long. 75° 53′ E.

One hundred and ninty-two miles from central line of totality. Greatest obscuration 9.

Hour. Madras time.	Barometer. Corrected and reduced to 32° F.	Reduced to sea-level and constant gravity.	Dry bulb corrected.	Wet bulb corrected.	Aqueous vapour pressure.	Relative humidity.	Wind. Direction.	Amount since preceding interval, in miles per hour.	Cloud proportion.	Proportion of eclipse, totality, 10	Weather and other remarks.
A.M.	"	"	°	°	"	%					
10·17	28·249	30·041	76·9	56·9	·217	23	NNE	...	*Nil*		
10·32	·251	·044	77·0	56·1	·193	20	NE	0·8	"		
10·47	·247	·037	77·4	56·1	·188	19	NNE	0·8	"		
11·2	·248	·034	78·7	57·7	·218	22	Calm	0·8	"		
11·17	·242	·025	79·6	57·9	·213	21	NNE	0·8	"		
11·32	·231	·016	79·1	57·0	·193	19	Calm	2·0	"		
11·47	·223	·000	81·0	58·4	·211	19	Calm	0·4	"	...	Weather fine, except slight and sharp breezes occasionally.
P.M. 0·2	·218	29·994	81·2	57·6	·184	18	Calm	1·2	"	1, at 0·8 P.M.	Weather calm; no change in the appearance or color of the sun and sky.
0·12	·215	·989	81·7	57·7	·181	17	Calm	0·6	"	2, at 0·15 P.M.	
0·22	·209	·985	81·1	57·7	·188	18	Calm	0·6	"	3, at 0·23 P.M.	
0·32	·205	·979	81·4	56·7	·156	15	Calm	0	"	4, at 0·31 P.M.	
0·42	·199	·975	81·1	57·7	·188	18	Calm	0	"	5, at 0·41 P.M.	Lustre of the sun diminished and the sky dull.
0·52	·194	·966	81·6	58·1	·192	18	Calm	1·2	"	6, at 0·50 P.M.	The sun became very mild.
1·2	·189	·965	80·6	57·9	·201	19	Calm	0	"	7, at 0·59 P.M.	
1·12	·185	·963	80·1	58·6	·227	22	Calm	0	"	8, at 1·7 P.M	
1·22	·178	·958	79·1	57·9	·219	22	Calm	0	"	9, at 1·20 P.M	Sun was almost obscured, and the lower part began to clear up.
1·32	·176	·950	78·0	59·4	·277	29	Calm	0	"	8, at 1·37 P.M	
1·42	·172	·961	76·5	58·2	·260	28	Calm	0	"	7, at 1·44 P.M.	Obscuration reached the upper end of the sun and the lower and cleared up. Day light was as bright as at 5·30 P.M.
1·57	·171	·951	78·9	59·4	·266	26	Calm	0	"	6, at 1·51 P.M 5, at 1·59 P.M 4, at 2·7 P.M 3, at 2·16 P.M 2, at 2·25 P.M 1, at 2·35 P.M.	Weather calm.
2·12	·164	·941	80·1	57·6	·198	19	Calm	0	"		
2·27	·166	·939	81·1	58·1	·200	19	Calm	1·6	"		
2·42	·166	·936	81·9	58·1	·190	17	Calm	2·0	"		
2·57	·166	·934	82·5	57·9	·177	16	Calm	0·8	"		
3·12	·167	·936	82·2	58·2	·189	17	Calm	0·8	"		Eclipse ended and the sun began to shine as usual. No change in the wind or in the sky.
3·27	·169	·937	82·5	57·9	·177	16	NNE	1·6	"		
3·42	·174	·940	83·1	58·1	·176	15	Calm	0	"		
3·57	·176	·942	83·1	59·2	·208	18	N	0·8	"		
4·17	·178	·944	82·9	59·6	·222	20	Calm	0·6	"		

No 39 Lat 17° 27′ N. SECUNDERABAD Long. 78° 33′ E.

One hundred and ninty-five miles from central line of totality Greatest obscuration 9

Hour Madras t me	Barometer Corrected and reduced to 32° F	Barometer Reduced to sea level and constant grav ty	Dry bulb corrected	Wet bulb corrected	Aqueous vapour pressure	Relative hum d ty	Wind Direction	Wind Amount since preced ng interval, in miles per hour	Cloud proportion	Proportion of eclipse, totality 10	Weather and other Remarks
A M	″	″	°	°	″	%					
10-7	28 250	30·003	75·3	57·9	267	30	ENE		Nil	...	Fine, clear weather
10-22	251	29·999	76 5	58 8	278	30	ENE	3·2	,,		Do
10-37	250	·998	76 7	58 7	272	30	ENE	3·6	,,		Do
10-52	·243	989	76·9	58 9	276	30	ENE	3·6	,		Do
11-7	240	978	79 3	60·7	302	30	ENE	4 0	,		Do
11-22	237	980	77 5	58 7	263	28	ENE	4 0	,,		Do
11-37	235	968	80·5	59 9	264	25	ENE	3 2	,,		Do.
11 52	228	960	80 8	59 5	247	23	ENE	4 8	,,		Do Ecl pse began at 11 54 A M from SW
11 57	228	960	80·5	57 7	197	19	ENE	3 6	,,	1	Do
P M											
0-2	226	956	80·9	58 5	215	19	ENE	3 6	,	1	Do
0 7	223	955	80·5	58 1	208	19	ENE	1 2		2	Do.
0-12	223	·951	81 5	59 3	232	21	ENE	6·0	,,	2	Do
0-17	222	956	80·1	58 1	213	20	ENE	3 6	,	2	Do
0-22	220	955	79 8	57 9	211	20	ENE	2 4	,,	3	Do Appearance of the sky, pale blue colour
0 27	218	946	81 5	59 7	245	22	ENE	1 2		3	Do
0-32	214	949	79·8	58 4	225	21	ENE	1 2	,,	3	Do
0 37	212	·944	80 5	58·9	232	22	ENE	1 2	,	4	Do
0 42	·212	945	80 3	57 3	187	18	ENE	3 6		4	Do Appearance of the sun and its immediate neighbourhood pale dark yellow colour
0-47	210	945	79 8	57 7	·205	19	ENE	4 8	,	5	Do
0 52	210	945	79 7	59 0	241	24	ENE	1 2	,	5	Do Trees etc appeared pale yellow colour
0 57	206	945	78 3	57 2	208	21	ENE	3 6	,,	6	Do Appearance of the day like gloomy weather
1 2	204	·942	78 5	57 3	209	21	ENE	4 8	,	6	Do
1 7	200	938	78 5	57 3	209	21	Calm	6·0	,,	7	Do.
1 12	200	941	77 5	57 2	219	22	Calm	0		8	Do
1 17	198	939	77 7	57 5	226	23	ENE	2 4	,	8	Do
1 22	198	·939	77 5	57 9	240	25	ENE	6·0	,,	9	Do Cool Appearance like very bright moonlight n ght.
1-27	194	937	76·9	57 1	224	23	Calm	4 8	,	9	Do
1-32	192	936	76 5	56 5	210	22	ENE	2 4	,	9	Do
1 37	190	933	76 5	56 8	219	23	Calm	2 4	,	8	Do. Eclipse decreased southwards
1 42	190	933	76 6	57 1	227	24	ENE	1 2	,	8	Do.
1-47	188	928	77 5	57 7	234	24	ENE	4 8		7	Do
1 52	186	925	77 9	57 9	235	24	ENE	3 6		6	Do
1 57	186	925	77 9	57 1	211	21	ENE	3 6		4	Do
2 2	182	921	78 1	57 3	·214	21	ENE	6·0	,	4	Do
2 7	182	919	78 5	57 9	228	23	ENE	3 6	,	3	Do.
2 12	182	914	79·9	58 8	236	23	ENE	4 8	,	2	Do.
2 17	181	914	79·8	58·7	234	23	ENE	4 8		1	Do.
2-22	179	910	80 3	58 9	234	22	E	4 8	,,	1	Do.
2 27	179	909	80·5	58 5	2 0	21	ENE	4 8	,,	1	Do
2 32	179	909	80·2	58 7	229	22	ENE	6·0	,,	1	Do
2 37	178	905	80 9	58 1	·203	19	ENE	6·0	,	1	Do
2-42	178	906	80·5	58 7	226	21	ENE	3 6	,	1	Do Eclipse disappeared at 2 45 P M N E direction
2 47	177	902	81 5	58 5	207	20	ENE	6·0	,		Do
2 52	176	903	81 1	58 4	209	19	ENE	7 2	,,		Do
3 7	174	898	82 1	59·1	218	20	ENE	3 2	,		Do
3-22	171	897	81 3	56·9	162	15	ENE	4 8	,,		Do.
3 37	173	895	82 5	57 ·	157	13	ENE	6 4			Do
3 52	175	·900	81 5	56·3	144	13	ENE	10 0			Do.
4 7	175	895	82 9	57 9	173	15	ENE	5 6	,,	...	Do

No. 40. Lat. 26° 50′ LUCKNOW. Long. 81° 0′ E.

One hundred and ninety-eight miles from central line of totality. Greatest obscuration 9.

Hour.	Barometer.						Wind				
Madras time.	Corrected and reduced to 32° F.	Reduced to sea-level and constant gravity.	Dry bulb corrected.	Wet bulb corrected.	Aqueous vapour pressure.	Relative humidity.	Direction.	Amount since preceding interval, in miles per hour.	Cloud proportion.	Proportion of eclipse, totality 10.	Weather and other remarks.
A.M.	"	"	°	°	"	%					
9·57	29·676	30·018	68·3	57·1	·321	46	W	...	*Nil*	...	Sky clear and bright and wind variable in the morning.
10·12	·686	·026	69·4	57·4	·312	43	NNW	1·6	"	...	
10·27	·677	·016	70·2	57·5	·306	41	Calm	3·2	"	...	
10·42	·677	·014	72·4	59·5	·338	43	NW	2·4	"	...	
10·57	·671	·007	73·2	58·6	·300	38	Calm	1·6	"	...	
11·12	·659	29·995	73·2	57·9	·278	33	W	2·8	"	...	Gentle west wind commenced and velocity gradually increased.
11·27	·655	·989	75·2	60·0	·317	36	W	3·2	"	...	
11·42	·648	·982	75·3	59·4	·295	33	W	4·0	"	...	
11·57	·634	·968	76·4	60·1	·303	33	W	5·2	"	...	
P.M.											
0·12	·623	·956	77·5	60·4	·299	31	W	4·0	"	...	Eclipse commenced.
0·27	·624	·956	78·0	60·4	·293	30	NW	3·6	"	2	
0·42	·615	·947	78·1	60·5	·295	31	W	7·2	"	...	
0·57	·607	·939	78·2	60·0	·278	28	W	4·8	"	5	
1·2	·603	·935	78·0	60·5	·296	31	W	7·2	"	...	
1·7	·602	·936	76·6	59·1	·270	29	...	...	...	6	
1·12	·602	·936	76·5	59·2	·277	30	...	...	...	...	
1·17	·599	·931	76·2	59·1	·276	31	W	5·2	*Nil*	7	
1·22	·595	·928	74·9	59·1	·294	34	...	...	...	...	
1·27	·594	·927	74·8	59·1	·294	34	...	...	...	8	
1·32	·594	·927	74·7	59·2	·297	35	W	2·8	*Nil*	...	
1·37	·597	·930	74·5	59·2	·301	35	...	...	...	9	
1·42	·600	·935	74·1	59·1	·301	36	...	...	...	?	
1·47	·602	·937	74·0	58·3	·278	33	Calm	2·8	*Nil*	?	
1·52	·594	·927	74·0	59·1	·303	35	...	...	...	?	
1·57	·596	·929	74·1	59·1	·303	36	...	...	...	?	
2·2	·596	·929	74·3	58·6	·285	34	W	2·8	*Nil*	?	
2·17	·594	·926	75·2	59·2	·292	33	W	1·6	"	?	
2·32	·592	·923	77·0	60·5	·309	34	W	7·2	"	?	
2·47	·596	·927	77·5	60·1	·288	30	W	7·2	"	...	Eclipse terminated.
3·2	·593	·924	77·6	60·2	·290	30	W	2·0	"	...	
3·17	·592	·923	77·7	60·5	·299	31	W	4·0	"	...	
3·32	·592	·923	77·7	60·4	·296	30	W	10·8	"	...	
3·47	·596	·928	76·4	60·3	·311	34	W	12·0	"	...	
3·57	·600	·934	76·9	60·1	·298	32	W	9·0	"	...	

No 41 Lat 27° 34′ N BAHRAICH Long 81° 39′ E

Two hundred and seven miles from central line of totality Greatest obscuration 9

Hour Madras time	Barometer Corrected and reduced to 32° F	Reduced to sea level and constant gravity	Dry bulb corrected	Wet bulb corrected	Aqueous vapour pressure.	Relative humidity	Wind Direction	Amount since preceding interval in miles per hour	Cloud proportion.	Proportion of eclipse total ty 10	Weather and other remarks.
	"	"	°	°	"	%					
AM											
10-0	29·622	30·003	67·4	59·4	402	60	ESE		Nil		Dust haze no cloud
10-10	621	001	67·9	59·8	408	60	S	4·8	"		Ditto
10-20	620	29·999	68·5	59·9	406	58	SE	4·2	"		Ditto.
10·30	616	995	68·9	60·0	399	56	ESE	4·8	"		Ditto
10·40	616	994	70·1	60·8	410	56	S	4·8	"		Ditto
10-50	615	992	70·7	60·8	401	53	E	4·2	"		Ditto
11·0	614	·990	71·6	61·5	414	54	ESE	4·2	"		Ditto
11·10	611	987	71·8	61·0	394	51	E	4·8	"		Ditto
11-20	613	·989	72·0	61·6	409	52	S	3·6	"		Ditto
11·30	613	988	73·0	62·1	412	50	ESE	3·6	"		Ditto
11·40	598	973	73·4	62·1	408	50	S	4·2	"		Ditto
11·50	594	·968	73·9	62·2	405	48	S	0	"		Ditto
12·0	585	959	73·9	62·0	397	47	S	2·4	"		Ditto
PM											
0-10	580	·954	74·4	62·5	407	48	S	8·4	"		Ditto
0·20	578	951	75·1	62·3	392	45	SW	0·6			The eclipse began from the west and moved towards south } Dust haze
0-25	574	·948	73·9	62·0	397	47	SW	14·4	"	1	
0-30	572	·946	74·4	62·2	398	46	SW	0		2	
0·35	579	953	74·4	62·5	407	48	SE	6·6	"	3	
0-40	566	·939	75·3	63·2	420	48	SE	0		3	
0-45	564	·938	74·4	62·9	424	48	SE	0	"	4	
0·50	566	940	74·1	62·2	401	47	SW	2·4	"	4	
0·55	564	937	74·9	62·6	405	47	Calm	0		5	
1·0	566	940	73·9	62·2	405	48	S	1·8	"	5	
1·5	562	935	74·8	62·8	413	48	Calm	0	"	5	
1·10	558	933	73·4	62·0	404	49	Calm	0	"	6	The horizon on the west and north dark
1-15	562	·937	72·9	62·0	397	47	SW	0·8		7	
1·20	554	·929	72·9	62·0	410	51	SW	1·2	"	7	
1-25	550	925	72·9	62·0	410	51	SW	1·2	"	8	
1·30	554	929	73·0	61·9	409	51	Calm	0	"	8	
1-35	552	928	71·7	61·8	420	54	Calm	0		9	
1·40	554	931	71·0	62·0	437	57	S	0·4		9	
1·45	554	·931	70·9	61·8	432	57	Calm	0	"	9	
1·50	555	932	70·9	62·8	465	61	Calm	0	"	8	Hazy and a little dusty
1·55	549	926	71·1	62·7	458	59	Calm	0	"	7	Ditto
2·0	548	925	70·9	62·9	470	61	Calm	0		6	Ditto
2·5	549	925	71·9	63·0	457	58	Calm	0		5	Ditto
2·10	547	922	72·7	63·5	464	58	Calm	0	"	4	Ditto
2·15	548	923	72·8	62·2	420	52	Calm	0	"	3	Ditto
2·20	545	920	72·6	62·4	431	54	Calm	0	"	2	Ditto
2-25	546	·921	72·9	62·6	432	54	SW	2·4		1·5	Ditto.
2·30	548	·923	73·3	63·0	440	55	SW	2·4		1	Ditto
2-35	546	·920	73·7	63·3	443	53	SW	1·2		1	Ditto.
2·40	549	·923	73·9	63·4	445	53	WSW	1·2		0·5	Ditto.
2·45	545	·920	73·1	62·5	426	52	WSW	1·2		0·3	Ditto
2·50	544	·919	73·4	63·6	458	56	WSW	1·2		0·2	Ditto
2·55	541	915	73·5	63·8	465	56	WSW	2·4			Eclipse cleared from the west edge of the sun
3·10	549	923	73·9	63·8	459	55	SW	3·2			
3-25	547	922	72·9	63·0	444	55	WSW	8·4	"		
3·40	534	929	72·7	62·8	440	52	WSW	4·0	"		
4·0	559	·926	72·4	61·9	417	52	WSW	3·0			

No. 42. Lat. 25° 45′ N. RANGPUR. Long. 89° 18′ E.

Two hundred and fourteen miles from central line of totality. Greatest obscuration 9.

Hour. Madras time.	Barometer. Corrected and reduced to 32° F.	Barometer. Reduced to sea-level and constant gravity.	Dry bulb corrected.	Wet bulb corrected.	Aqueous vapour pressure.	Relative humidity.	Wind. Direction.	Wind. Amount since preceding interval, in miles per hour.	Cloud proportion.	Proportion of eclipse, totality 10.	Weather and other remarks.
A.M.	"	"	°	°	"	%					
9·21	29·941	30·024	66·6	60·5	·448	·69	Calm	...	*Nil*	...	
9·29	·947	·029	68·8	61·5	·451	64	ENE	...	,,	...	*Greyish pink haze in horizon.*
9·54	·937	·019	70·0	61·6	·436	59	NE	...	,,	...	
10·9	·941	·023	70·8	61·4	·419	55	NE	...	,,	...	
10·24	·929	·011	71·8	61·7	·418	54	NNE	...	,,	...	Pinkish haze disappearing and turning blue.
10·39	·923	·005	72·7	63·0	·448	55	WNW	...	,,	...	
10·49	·920	·002	...	...	...	—	...	...	,,	...	
10·58	·915	29·997	73·0	62·9	·441	55	Calm	2·4	,,	...	
11·9	·912	·994	73·6	63·2	·441	53	WNW	...	,,	...	
11·24	·898	·978	74·5	63·5	·441	52	WNW	...	,,	...	
11·39	·893	·973	74·8	63·2	·427	50	ENE	...	,,	...	
11·44	·885	·965	...	...	...	...	...	...	,,	...	Cirrus clouds appearing from south.
11·54	·882	·962	75·6	63·9	·439	50	WSW	2·6	2	...	
P.M.											Do. and scattering.
0·9	...	...	76·2	63·9	·431	48	W	...	2	..	Clouds passing over sun.
0·14	·875	·955	...	...	...	...	...	...	...	...	
0·24	·872	·952	76·8	64·0	·426	46	W	...	2	..	Eclipse commenced at 0·31 P.M. from the south-west
0·29	·870	·950	...	...	...	...	...	...	...	...	
0·34	·869	·949	76·8	64·0	·426	46	WSW	...	3	1	
0·39	·866	·946	77·0	64·1	·426	46	SW	...	3	1	
0·44	·865	·945	77·1	63·8	·416	45	S	...	3	2	Cirro cumulus clouds.
0·49	·861	·941	77·9	64·7	·436	45	Calm	...	3	3	Do. do.
0·54	·858	·938	76·8	63·7	·417	46	Calm	4·0	3	3	
0·59	·854	·934	76·7	63·6	·415	46	WNW	...	3	3	
1·4	·853	·933	76·1	63·2	·407	45	W	...	3	3	
1·9	·852	·932	75·7	62·7	·397	45	WNW	...	3	4	
1·14	·850	·930	...	...	...	...	...	...	...	...	
1·19	·848	·928	75·8	63·4	·418	46	WNW	...	3	4	Cumulus clouds ashy white and sky bluish grey.
1·24	·847	·927	75·3	62·1	·416	47	Calm	5·0	3	5	
1·29	·846	·926	74·9	63·1	·422	49	WNW	...	3	6	
1·34	·845	·925	74·5	63·5	·441	52	WNW	...	3	7	
1·37	·846	·926	74·0	63·5	·447	54	WNW	...	3	8	Cumulus clouds of ashy white and sky almost grey.
1·44	·845	·926	73·5	63·2	·444	54	WNW	...	3	9	Greatest obscurity at 1·46 P.M.
1·49	·845	·926	72·8	63·2	·453	56	WNW	...	3	9	
1·54	·844	·925	71·9	63·4	·472	60	NW	2·6	2	8	
1·59	·843	·924	...	...	...	...	...	...	..	...	
2·4	·841	·922	71·3	63·7	·490	64	Calm	...	1	7	
2·9	·840	·921	71·1	63·7	·491	64	Calm	...	1	6	
2·14	...	...	71·2	64·2	·508	66	Calm	...	1	5	
2·19	·839	·920	71·9	64·9	·523	67	Calm	...	*Nil*	4	
2·24	·838	·919	72·8	64·9	·510	63	Calm	...	...		
2·29	·837	·918	73·1	65·3	·521	64	Calm	...	*Nil*		
2·34	·836	·917	...	...	...	...	...	...	,,	...	
2·39	·837	·918	73·8	64·7	·491	59	Calm	...	,,	1	
2·44	·837	·917	74·5	65·0	·492	57	Calm	...	,,	1	
2·49	·838	·918	74·8	64·7	·478	56	NW	...	,,	1	
2·54	·840	·920	75·0	64·7	·475	55	WNW	...	,,	0·5	
2·59	...	...	75·3	64·4	·459	52	W	0·5	,,	0	Eclipse ended.
3·9	·842	·922	75·6	63·7	·431	49	WNW	...	,,	...	
3·24	·847	·927	75·7	64·9	·472	53	WNW	3·4	,,	...	Fine clear weather.

No 43 Lat. 21° 31′ N. SAMBALPUR Long 84° 1′ E.

Two hundred and eighteen miles from central line of totality Greatest obscuration 9

Hour	Barometer		Dry bulb corrected	Wet bulb corrected	Aqueous vapour pressure	Relative humidity	Wind		Proportion of eclipse, totality 10.	Weather and other remarks
Madras time	Corrected and reduced to 32° F	Reduced to sea-level and constant gravity					Direction	Amount since preceding interval in miles per hour		
A M	"	"	°	°	"	%				
9 45	29·569	30 053	69·5	60 9	422	59	SE			Fine clear weather
10-0	597	·049	70·8	60·4	388	51	NW	2 4		D tto
10 15	593	·044	71 6	61 0	397	52	NW	2 4		Ditto.
10-30	591	·042	72 3	60 7	378	48	NW	2 0		D tto
10 45	582	·031	74 3	60·7	·351	42	W	2 8		Ditto
11 0	576	025	74 1	61 2	370	43	N	2 0		Ditto.
11 15	567	014	75 5	61 4	358	40	S	2·0		Ditto
11 30	559	·006	76 3	61 4	347	38	S	2 0		Ditto
11-45	555	001	77 3	61 4	331	35	NW	2 8		Ditto
12-0	545	29·989	77 5	62 2	358	37	W	2 0		Ditto
P M										
0-15	539	983	78 0	61 4	325	34	SW	1·6		D tto
0 30	529	972	78 8	61 3	311	31	NW	6 0		Ditto. Eclipse commenced between the hours of 0-30 P M and 0 45 P M from the south west.
0 45	·21	964	79·0	62·2	338	33	NNE	2 0	1	D tto
0 55	511	·951	78 9	61 4	313	31	NNW	2 4	3	Hazy and sky yellowish colour
1 5	503	946	78 3	62 0	·341	35	NW	2 4	4	Ditto
1 15	497	941	77 9	61 2	320	33	W	3 0	6	D tto So dim that a man too spaces distant can not properly be recognized.
1 20	495	·939	77 7	61 7	338	36	Calm	0	7	D tto d tto.
1 25	490	·935	76 5	61 4	345	38	Calm	0	8	Ditto d tto
1 30	480	926	75 8	61 2	350	39	Calm	0	9	Ditto d tto
1 35	482	928	75 5	61 5	361	41	Calm	0	8	D tto d tt
1 40	484	931	75 3	62 0	380	43	Calm	0	7	Ditto ditto
1 45	485	933	75·3	62 0	380	43	Calm	0	6	D'tto d'tto
1 55	490	·936	75 5	61 8	371	42	Calm	0	5	Ashy haziness
2 5	490	935	77 1	63 0	389	41	W	3 6	4	Ditto
2 15	491	935	78·1	63 2	382	38	W	7 8	3	Ditto
2 25	493	938	79 1	63 4	376	38	WSW	7 2	2	
2 35	493	935	79 5	62 0	324	32	SW	3 6	1	Eclipse ended at 2-45 P M on the N E
2 45	497	939	79 7	62 1	325	32	SW	4 2		Fine clear weather
3-0	497	939	80 1	63 0	349	34	SW	5 6		Ditto
3 15	493	·937	80 3	62 6	333	33	SW	2·0		D tto
3 30	497	938	80 6	62·7	332	32	SW	2 4		Ditto
3 45	497	939	80 1	62 9	346	34	SSW	3 6		Ditto

No. 44. Lat. 22° 33′ N. **CHAIBASSA.** Long. 85° 51′ E.

Two hundred and thirty-eight miles from central line of totality. Greatest obscuration 9.

Hour. Madras time.	Barometer. Corrected and reduced to 32° F.	Barometer. Reduced to sea-level and constant gravity.	Dry bulb corrected.	Wet bulb corrected.	Aqueous vapour pressure.	Relative humidity.	Wind. Direction.	Wind. Amount since preceding interval, in miles per hour.	Cloud proportion.	Proportion of eclipse, totality 10.	Weather and other remarks.
	"	"			"	%					
A.M.											
9·45	29·282	30·017	...	...	...	...	...	...	...	..	
9·51	...	...	71·4	61·2	·406	53	ENE	..	Nil	...	
10·1	·284	·017	...	...	...	...	...	...	"	...	
10·6	...	...	72·6	61·3	·393	49	Calm	0·4	"	...	
10·16	·281	·011	...	...	...	...	...	...	"	...	
10·22	...	...	74·4	62·2	·398	46	NE	0·4	"	...	
10·31	·275	·003	...	...	...	...	...	...	"	...	
10·41	...	...	75·1	62·3	·392	44	ENE	3·0	"	...	
10·51	·268	29·996	...	...	...	...	...	...	"	...	
11·1	...	...	75·8	62·3	·383	43	ENE	1·5	"	...	
11·11	·264	·992	...	...	...	...	...	...	"	...	
11·16	·258	·981	...	...	...	...	...	...	"	...	
11·21	·256	·979	...	...	...	...	...	...	"	...	
11·31	...	...	78·7	62·4	·348	35	WNW	1·8	"	...	
11·36	...	...	79·0	62·4	·344	34	Calm	0	"	...	
11·41	...	...	79·6	62·7	·345	34	NNE	1·2	"	...	
11·51	·242	·963	...	...	...	...	...	...	"	...	
11·56	·235	·955	...	...	..	..	...	...	"	...	
P.M.											
0·1	·233	·953	...	...	...	...	..	...	"	...	
0·11	...	...	80·1	61·6	·302	30	ENE	2·6	"	...	
0·16	...	...	80·1	61·8	·309	30	NNW	2·4	"	...	Eclipse commenced.
0·21	...	...	80·6	62·1	·312	30	NW	2·4	"	...	
0·22	...	...	...	...	...	...	...	...	"	...	
0·31	·214	·933	...	...	...	...	...	...	"	...	Perfect calmness in the atmosphere prevailed during and after the eclipse. The sky was perfectly clear, and blue all through. The sun at first seemed bright and red, but as it faded the colour changed to yellow, but afterwards it resumed its brightness.
0·36	·206	·924	...	...	...	...	...	...	"	2	
0·41	...	...	81·1	62·8	·329	31	ENE	1·5	"	...	
0·46	...	...	80·9	62·8	·334	32	NNE	1·2	"	3	
0·51	·204	·922	...	...	...	...	...	...	"	...	
0·56	·202	·921	...	...	...	...	...	...	"	4	
1·6	...	...	80·4	63·0	·344	33	NNE	0·9	"	...	
1·11	...	...	79·8	62·7	·343	34	NNE	0	"	5	
1·21	·200	·920	...	...	...	...	...	...	"	6	
1·26	·200	·922	...	...	...	...	...	...	"	7	
1·31	·196	·918	...	...	...	...	...	...	"	...	
1·36	...	...	78·4	62·8	·365	37	Calm	0	"	...	
1·41	...	...	77·7	62·9	·377	40	Calm	0	"	...	
1·46	...	...	76·6	62·9	·392	43	Calm	0	"	9	
1·51	·185	·909	...	...	..	...	...	..	"	...	
1·56	·185	·910	...	...	...	...	...	...	"	...	
2·6	...	...	75·8	62·7	·396	44	Calm	0	"	...	
2·11	...	..	76·7	63·0	·391	43	Calm	0	"	...	
2·16	...	.	...	...	...	...	...	...	"	8	
2·26	·179	·903	...	...	.	...	...	...	"	6	
2·31	·179	·899	...	...	...	...	...	...	"	5	
2·41	...	...	79·4	62·5	·311	34	Calm	0	"	3	
2·46	...	...	79·5	62·5	·340	34	Calm	0	"	2	
2·51	...	...	...	...	..	...	...	...	"	1	
3·1	·181	·900	...	...	...	...	...	...	"	...	At about 3 P.M. the sun was again full and round.
3·6	·181	·897	...	...	...	..	...	...	"	...	
3·16	...	...	81·7	63·8	·354	33	Calm	0	"	...	
3·21	...	...	81·7	63·8	·354	33	Calm	0	"		

No. 45. Lat. 24° 22′ N. RAMPUR BOALIA. Long. 88° 39′ E.

Two hundred and fifty-three miles from central line of totality. Greatest obscuration 9.

Hour.	Barometer.			Dry bulb corrected.	Wet bulb corrected.	Aqueous vapour pressure.	Relative humidity.	Wind.		Cloud proportion.	Proportion of eclipse, totality 10.	Weather and other remarks.
Madras time.	Corrected and reduced to 32° F.	Reduced to sea-level and constant gravity.						Direction.	Amount since preceding interval, in miles per hour.			
A.M.	"	"		°	°	"	%					
9-26	29·996	30·017		70·8	63·0	·473	63	ESE	...	*Nil*	...	Sky very clear.
9-41	992	·013		71·8	64·0	·493	63	E	0·8	"	...	Ditto.
9-56	988	·009		72·8	64·0	·480	59	ESE	1·2	"	...	Ditto.
10-11	·986	·007		73·8	64·5	·484	58	SSE	1·2	"	...	Ditto.
10-26	981	·002		74·6	63·0	·423	51	SSW	1·6	"	...	Ditto.
10-41	·976	29·997		74·8	62·0	·386	44	SW	0·8	"	...	Ditto.
10-56	·972	·993		75·8	63·0	·406	45	SW	0·8	"	...	Ditto.
11-11	·962	·982		76·7	63·5	·412	45	SSW	0·4	"	...	Ditto.
11-26	·955	·975		77·7	62·0	·348	37	SSW	1·6	"	...	Ditto.
11-41	·942	·962		77·9	62·5	·360	38	SSW	2·8	"	...	Ditto.
11-56	·936	·956		78·2	62·5	·358	37	WSW	1·6	"	...	Ditto.
P.M.												
0-11	·926	·946		78·2	62·0	·341	35	W	1·2	"	...	Ditto.
0-25	...	...		...	...	...	...	...	...	"	...	Ditto, eclipse commenced from SW.
0-26	·918	·938		78·2	62·5	·358	38	W	2·0	"	...	Ditto.
0-31	·916	·936		78·2	62·5	·358	38	...	...	"	1	
0-36	·916	·936		78·2	63·0	·374	39	...	...	"	...	
0-41	·916	·936		78·5	63·1	·372	38	W	4·4	"	...	
0-46	·914	·934		78·2	63·0	·374	38	...	...	"	...	
0-51	·912	·932		77·7	62·0	·348	37	...	...	"	...	
0-56	·910	·930		77·7	63·0	·381	40	W	0·8	"	4	
1-1	·906	·926		77·7	62·0	·348	37	...	...	"	...	
1-6	904	·924		77·7	63·5	·397	42	...	...	"	5	Sky hazy.
1-11	·900	·920		77·5	62·5	·367	39	SSW	2·4	"	6	
1-16	900	·920		76·7	62·0	·361	39	...	...	"	...	
1-21	·900	·920		76·7	62·0	·361	39	...	...	"	7	Sky all round the horizon dusky colour
1-26	·902	·923		75·8	61·8	·366	41	WSW	3·2	"	8	
1-31	·902	·923		75·8	61·8	·366	41	...	...	"	...	The rays of the sun at times somewhat bright and at times hazy and dim.
1-36	·900	921		74·8	61·5	·371	43	...	...	"	9	
1-41	·900	·921		74·3	63·0	·426	50	Calm	0·8	"	9	Sky over head perfectly blue.
1-46	901	·922		73·8	63·0	·433	52	...	...	"	...	
1-49	...	...		...	...	...	...	...	...	"	9	Greatest obscuration.
1-51	·899	·920		73·3	63·0	·440	54	...	...	...	...	
1-56	·899	·920		72·8	63·0	·446	55	Calm	0	"	...	
2-1	·899	·920		72·8	64·0	·480	59	Calm	...	"	9	
2-6	·897	·918		73·6	64·0	·470	57	Calm	...	"	8	
2-11	·895	916		74·3	64·0	·460	54	Calm	0	"	6	
2-16	·895	916		74·6	64·0	·457	54	Calm	...	"	4	
2-21	·893	·914		74·8	64·0	·453	53	...	...	"	4	
2-26	·893	·914		75·3	64·0	·447	51	Calm	0	"	3	
2-31	·891	·912		75·8	63·0	·406	45	...	...	"	2	
2-36	·891	·911		76·7	63·8	·420	46	...	...	"	...	
2-41	891	911		76·7	63·0	·394	43	Calm	0	"	1	
2-46	·891	·911		76·7	63·0	·394	43	...	...	"	...	
2-51	·891	·911		76·7	63·0	·394	43	...	...	"	...	
2-56	·891	911		76·7	63·0	·394	43	...	...	"	...	
3-0	...	...		...	...	...	...	NNE	0·6	"	0	
3-1	·891	·911		77·7	64·0	·414	44	...	...	"	...	
3-11	·893	·913		77·7	63·0	387	40	...	...	"	...	
3-26	·893	·913		77·7	63·0	·387	40	Calm	0·9	"	...	

No. 46. Lat. 12° 52′ N. MANGALORE. Long. 74° 54′ E.

Two hundred and fifty-eight miles from central line of totality. Greatest obscuration 9.

Hour.	Barometer.						Wind.				
Madras time.	Corrected and reduced to 32° F.	Reduced to sea-level and constant gravity.	Dry bulb corrected.	Wet bulb corrected.	Aqueous vapour pressure.	Relative humidity.	Direction.	Amount since preceding interval, in miles per hour.	Cloud proportion.	Proportion of eclipse, totality 10.	Weather and other remarks.
A.M.	"	"	°	°	"	%					
10-21	29·968	29·964	81·4	63·5	·347	33	ESE	2·8	*Nil*	...	Fine clear weather throughout the day. At 10-21 A.M. hazy appearance over the western horizon with small patches of cirro-cumulus clouds in the west. Sky perfectly clear towards east the out-lines of the high hills being clearly defined.
10-36	·967	·963	82·6	64·6	·369	33	NNE	5·2	"	...	
10-51	·967	·963	83·2	65·2	·382	33	ESE	4·4	"	...	
11- 6	·962	·958	84·1	64·5	·346	30	ESE	3·6	"	...	
11-21	·960	·956	84·6	64·2	·327	27	ENE	3·2	"	...	
11-36	·956	·952	85·1	63·0	·316	26	ENE	3·6	"	...	
11-41	·954	·949	85·5	63·9	·307	25	ENE	4·8	"	...	
11-46	·951	·946	85·7	63·4	·287	22	E	3·6	"	...	
11-51	·948	·943	85·3	63·3	·289	23	SSE	2·4	"	...	
11-56	·946	·941	85·2	64·0	·334	28	Calm	1·2	"	...	
P.M.											
0- 1	·947	·942	85·1	64·1	·319	26	S	1·2	"	1	At 0-1 P.M. watched the sky and small clouds, but no change of colour visible.
0- 6	·945	·940	85·1	64·2	·321	26	Calm	2·4	"	1	
0-11	·942	·937	85·3	64·0	·313	25	S	2·4	"	1	
0-16	·942	·937	85·0	66·7	·411	34	WNW	1·2	"	1	
0-21	·943	·939	84·2	66·7	·421	35	WSW	1·2	"	2	
0-26	·939	·935	83·7	67·2	·446	39	ENE	1·2	"	2	
0-31	·937	·933	84·0	67·5	·453	39	WNW	3·6	"	3	
0-36	·933	·929	83·8	67·5	·456	39	WNW	3·6	"	3	
0-41	·931	·927	83·4	66·9	·438	39	WNW	1·2	"	4	
0-46	·929	·925	82·8	66·5	·433	39	WNW	3·6	"	5	
0-51	·930	·926	82·5	65·9	·416	38	WNW	3·6	"	5	
0-56	·926	·922	82·5	66·4	·434	39	WNW	3·6	"	6	
1- 1	·924	·920	82·1	66·3	·435	39	WSW	2·4	"	7	
1- 6	·922	·918	81·8	66·3	·439	40	WSW	1·2	"	8	
1-11	·918	·914	81·3	65·8	·427	40	SSW	1·2	"	9	
1-16	·918	·914	81·2	66·0	·438	41	Calm	1·2	"	9	
1-21	·914	·910	80·9	66·4	·455	43	Calm	1·2	"	8	
1-26	·912	·908	81·1	66·7	·462	44	WNW	1·2	"	8	
1-31	·910	·906	80·9	66·3	·451	43	NNW	2·4	"	7	
1-36	·906	·902	81·0	66·4	·454	43	NNW	1·2	"	7	
1-41	·904	·900	81·2	66·0	·438	41	NNW	2·4	"	6	
1-46	·904	·900	81·6	66·7	·455	42	S	2·4	"	6	
1-51	·902	·898	81·6	66·8	·460	43	WNW	3·6	"	5	
1-56	·902	·898	82·2	67·4	·474	43	WNW	2·4	"	4	
2- 1	·900	·896	82·2	66·9	·455	41	WNW	2·4	"	4	
2- 6	·900	·896	82·4	66·3	·431	39	WNW	3·6	"	3	
2-11	·900	·896	82·8	66·8	·444	40	WSW	2·4	"	2	
2-16	·897	·893	83·2	67·4	·460	40	W	3·6	"	2	
2-21	·897	·893	83·2	66·9	·441	39	WNW	3·6	"	1	
2-26	·897	·893	83·5	66·9	·438	38	WNW	3·6	"	...	
2-31	·897	·893	83·7	67·3	·448	38	WNW	4·8	"	...	
2-36	·897	·893	83·6	67·2	·446	39	WNW	4·8	"	...	
2-41	·894	·890	84·0	67·5	·453	39	WNW	4·8	"	...	
2-46	·892	·888	84·1	68·1	·474	40	WNW	4·8	"	...	
2-51	·892	·888	84·1	67·4	·449	38	WNW	4·8	"	...	
3- 6	·892	·888	83·5	67·7	·467	40	NNW	4·4	"	...	
3-21	·892	·888	83·7	67·3	·448	38	WNW	4·0	"	...	
3-36	·892	·888	83·3	66·1	·413	35	NW	4·4	"	...	
3-51	·892	·888	83·9	67·2	·444	38	WNW	4·8	"	...	
4- 6	·895	·891	83·6	67·3	·451	39	NNW	4·4	"	...	
4-21	·895	·891	83·2	66·6	·432	39	NW	3·2	"	...	

No 47 Lat 24° 52′ N. BOGRA. Long 89° 27′ E.

Two hundred and sixty four miles from central line of totality Greatest obscuration 9

Hour	Barometer									
Madras time	Corrected and reduced to 32° F	Reduced to sea level and constant gravity	Dry bulb corrected	Wet bulb corrected	Aqueous vapour pressure	Relative humidity	Wind direction *	Cloud proportion	Proportion of eclipse total ty 10	Weather and other remarks
A M	"	"	°	°	"	%				
9 23	29·997	30 012	70·7	59 8	370	50	NE	*Nil*	•	Fine, clear weather, blue sky
9 38	30 001	·016	70 9	60·0	374	49	NE	"	•	Ditto
9·53	29·993	013	72 7	61·0	390	51	NE	"	• •	D tto
10 8	998	013	72 7	61 6	401	51	Calm	"	•	D tto
10·23	994	009	73·3	60·8	367	45	Calm	"	•	D tto
10·38	·990	005	74 1	61·2	369	43	N	"		Ditto
10 53	986	·001	74 6	61 2	·363	42	N	"		Ditto
11 8	976	29 991	74 8	61 4	367	42	N	"		D tto
11 23	967	981	75 4	61·0	345	39	Calm	"		D tto
11 33	957	·971	76 4	61 6	352	38	Calm	"	***	Ditto
11 53	951	963	76 4	61 4	346	38	Calm	"	•	Ditto
P M										
0 8	943	957	77 6	62 8	356	40	Calm	"	•	D tto
0 23	933	947	77 4	62·0	351	37	Calm	"		D tto
0 38	927	941	77 8	61 8	340	36	Calm	"		D tto
0 53	·923	937	78 0	62 6	363	38	Calm	"	0 5	Ditto
0·58	918	932	77·8	61 8	340	36	Calm	"	1	
1·3	·916	·932	77 6	61 8	342	36	Calm	"	2	At the commencement of the eclipse the sky gradually changed in colour into a leaden hue and during the total obscuration the sky assumed a hard a pect and the light was very considerably diminished
1·8	914	·928	76 8	61 0	327	35	Calm	"	2	
1·13	914	928	76 8	60 8	323	35	Calm	"	3	
1 18	910	924	76 6	61 4	343	37	Calm	"	3	
1 23	910	924	77 0	62 6	376	41	Calm	"	4·5	
1 28	910	924	76 8	62 2	367	40	Calm	"	4 5	
1·33	910	924	76·6	62 0	363	40	Calm	"	6	
1 38	908	922	75 8	61 8	366	41	Calm	"	7	
1·43	·906	921	74 5	61 4	372	43	Calm	"	8	
1·48	902	917	73 7	61 2	375	45	Calm	"	8	
1 53	902	917	72·7	61 0	382	47	Calm	"	8	
1 58	·902	917	72 9	61 8	405	51	Calm	"	9	
2 3	907	922	72 1	61 2	396	50	Calm	"	8	
2 8	907	922	71 7	61·8	420	54	Calm	"	7	
2 13	907	922	71 9	62 2	431	55	Calm	"	6	
2 18	·910	925	71 9	62 6	445	57	Calm	"	5	
2·23	912	927	72 5	63·0	450	56	Calm	"	4	
2·28	905	920	72 7	62 8	440	54	Calm	"	3	
2 33	903	918	73 7	63 4	448	54	Calm	"	2	
2 38	903	918	74 1	63·2	469	55	Calm	"	1 5	
2 43	904	919	74 8	63 8	447	52	Calm	"	1	
2 48	·906	·920	75·4	63 2	418	47	Calm	"	0 8	
2 53	904	918	75·6	63 8	436	49	Calm	"	0·5	
2·58	904	918	76·0	62 8	396	45	Calm	"	0 3	
3 3	904	918	76·4	62·2	371	41	Calm	"	0 1	
3 8	904	918	76 6	62·0	363	40	Calm	"	•	
3 23	906	·920	76 6	62 8	389	43	Calm	"		

* Wind direction ascertained from the flow of dust thrown in the air

No. 48 Lat. 24° 6′ N. BERHAMPORE. Long. 88° 17′ E.

Two hundred and sixty-four miles from central line of totality. Greatest obscuration 9.

Hour.	Barometer.						Wind.				
Madras time.	Corrected and reduced to 32° F.	Reduced to sea-level and constant gravity.	Dry bulb corrected.	Wet bulb corrected.	Aqueous vapour pressure.	Relative humidity.	Direction.	Amount since preceding interval, in miles per hour.	Cloud proportion.	Proportion of eclipse, totality 10.	Weather and other remarks.
A.M.	"	"	°	°	"	%					
9·28	30·018	30·035	69·7	60·4	·403	55	Calm	...	*Nil*	..	
9·43	·011	·028	71·6	61·8	·422	55	Calm	0	"	...	
9·58	·005	·022	72·7	62·4	·428	53	Calm	0·4	"	...	
10·13	·001	·018	74·1	63·0	·430	51	Calm	0·4	"	...	
10·28	29·995	·011	75·0	63·1	·419	48	S	0·4	"	...	
10·43	·990	·006	75·1	63·1	·419	48	SSW	0·8	"	...	
10·58	·984	·000	75·9	62·6	·391	44	WSW	1·2	"	...	
11·13	·971	29·987	76·9	64·1	·428	46	Calm	1·6	"	...	
11·28	·970	·988	77·2	64·6	·442	48	W	1·2	"	...	
11·43	·959	·975	77·8	64·4	·426	44	Calm	2·4	"	...	
11·58	·949	·965	78·1	64·1	·412	43	SW	1·2	"	...	
P.M.											
0·13	·938	·954	78·4	64·0	·404	41	SW	4·4	"	...	
0·18	·932	·948	78·9	63·4	·378	38	SSW	9·6	"	0·5	Eclipse began from S. W.
0·28	·932	·948	79·4	64·0	·390	38	Calm	3·0	"	1	
0·33	·930	·946	79·2	64·0	·394	39	Calm	2·4	"	1·5	
0·38	·931	·947	79·1	64·0	·396	40	SW	3·6	"	2	
0·43	·928	·944	79·0	63·9	·394	40	SSW	3·6	"	3	
0·48	·922	·938	78·9	63·9	·395	40	SSW	9·6	"	3·5	
0·53	·921	·937	79·1	63·7	·384	38	SSW	3·6	"	4	
0·58	·920	·936	79·5	63·9	·387	38	SSW	6·0	"	4·5	
1·3	·918	·934	79·1	63·2	·367	37	W	4·8	"	5	
1·8	·916	·932	78·9	63·3	·375	38	SSW	3·6	"	5·5	Hazy. Dim light.
1·13	·913	·929	78·8	63·1	·369	38	Calm	1·2	"	6	" "
1·18	·914	·930	78·9	63·9	·395	40	SSW	4·8	"	7	" "
1·23	·911	·927	78·6	63·1	·372	38	SSW	4·8	"	8	Light getting dark.
1·28	·910	·926	77·6	63·1	·385	41	SW	4·8	"	9	" still darker.
1·33	·909	·925	77·7	63·1	·384	41	Calm	0	"	9	" Ditto.
1·38	·911	·927	77·7	63·9	·411	43	Calm	0	"	9	" Something like light cloud passed Corona visible.
1·43	·909	·925	77·6	63·7	·404	43	Calm	0	"	9	
1·48	·907	·923	76·9	64·3	·436	47	Calm	0	"	9	Light brighter.
1·53	·905	·921	75·9	64·2	·445	50	Calm	0	"	9	" still brighter.
1·58	·904	·920	75·5	64·1	·446	50	Calm	0	"	8·5	" getting brighter.
2·3	·904	·921	74·8	64·2	·462	54	Calm	0	"	8	
2·8	·906	·922	75·0	63·9	·448	52	Calm	0	"	7	
2·13	·906	·922	75·0	65·1	·487	56	Calm	0	"	6	
2·18	·906	·922	75·6	65·0	·477	54	Calm	0	"	4·5	
2·23	·906	·922	76·1	65·1	·474	53	Calm	0	"	4	
2·28	·906	·922	76·1	65·1	·474	53	Calm	0	"	3	
2·33	·903	·919	77·0	64·6	·443	48	Calm	0	"	3	
2·38	·903	·919	77·4	64·4	·432	46	Calm	0	"	2	
2·43	·903	·919	77·6	64·2	·422	44	Calm	0	"	1·5	
2·48	·903	·919	77·9	64·9	·443	46	Calm	0	"	1	
2·53	·900	·916	78·4	64·9	·436	45	Calm	0	"	0·5	Eclipse ended.
2·58	·900	·916	78·8	64·6	·421	42	SSW	3·6	"	...	
3·13	·902	·918	78·9	64·1	·402	40	Calm	1·2	"	...	
3·28	·906	·922	78·9	64·1	·402	40	Calm	1·6	"	...	

No. 49. Lat. 12° 26′ N. **MERCARA.** Long. 75° 48′ E.

Three hundred and sixteen miles from central line of totality. Greatest obscuration 9.

Hour. Madras time.	Barometer. Corrected and reduced to 32° F.	Dry bulb corrected.	Wet bulb corrected.	Aqueous vapour pressure	Relative humidity.	Wind. Direction.	Wind. Amount since preceding interval, in miles per hour.	Cloud. Proportion.	Cloud. Kind.	Cloud. Direction of motion.	Proportion of eclipse, totality 10.	Weather and other remarks.
A.M.	"	°	°	"	%							
10·0	26·279	67·7	57·2	·348	51	E	...	*Nil.*	...	...	...	
10·15	·283	68·0	57·5	·354	52	SE	7·6	"	...	...	...	
10·30	·283	68·5	57·9	·353	52	S	3·2	"	...	...	...	
10·45	·282	68·0	57·2	·314	50	SE	8·8	"	...	...	...	
11·0	·282	68·7	57·7	·352	50	SE	10·8	"	...	...	...	
11·15	·278	69·2	57·2	·390	54	E	7·2	"	...	.	...	
11·30	·274	70·0	58·8	·367	51	S	3·6	"	...	...	...	
11·43	·272	72·0	59·6	·367	46	ESE	8·3	"	...	...	...	
11·48	·272	72·0	59·6	·367	46	SE	7·2	"	...	...	...	Eclipse commenced at about 11-52 A.M. from WSW.
11·53	·273	72·2	59·7	·370	47	ESE	6·0	"	...	...	...	
11·58	·273	72·4	59·5	·360	46	SE	4·8	"	...	...	1	
P.M.												
0·3	·269	70·0	58·8	·367	50	SE	2·4	"	...	...	...	
0·8	·269	73·2	59·8	·359	43	SE	1·2	"	...	...	2	
0·13	·271	72·7	59·9	·369	46	SE	1·2	"	...	...	...	
0·18	·271	72·3	59·9	·372	46	E	6·0	"	...	...	...	
0·23	·269	73·0	60·5	·385	47	E	0	"	...	...	3	
0·28	·262	72·0	59·9	·377	49	E	6·0	"	...	...	...	
0·33	·260	72·6	59·8	·367	46	ESE	2·4	"	...	...	4	
0·38	·256	72·0	59·7	·371	47	ESE	1·2	"	Ci.	...	...	Cirrus clouds were seen very near the horizon
0·43	·253	72·5	59·9	·372	47	ESE	2·4	"	...	...	...	
0·48	·249	71·4	59·7	·378	50	ESE	3·6	"	...	...	5	0·33 P.M. to 2·8 P.M. Wind calm
0·53	·246	71·3	59·8	·382	50	ESE	1·2	"	...	...	...	
0·58	·244	71·3	60·1	·391	51	ESE	0	"	...	...	6	
1·3	·240	70·2	59·5	·386	53	ESE	1·2	"	...	...	...	
1·8	·241	70·3	59·7	·392	53	ESE	0	"	Ci.	...	7	
1·13	·239	70·2	59·8	·394	53	ESE	0	"	...	...	8	
1·18	·239	69·3	59·3	·391	54	ESE	0	"	...	...	...	
1·23	·238	69·3	59·2	·389	54	ESE	0	"	...	...	9	Maximum obscuration at 1·23 P.M.
1·28	·234	69·7	59·7	·399	55	ESE	0	"	...	...	8	
1·33	·233	69·8	59·9	·401	55	ESE	0	"	...	...	7	
1·38	·230	70·0	60·6	·420	58	ESE	0	"	...	...	6	
1·43	·228	70·3	60·7	·421	57	ESE	0	"	...	...	5	
1·48	·229	70·3	60·5	·415	56	ESE	0	1	Ci. Cu.	...	4	Ci. Cu clouds near horizon, direction SW.
1·53	·231	71·0	60·9	·419	56	ESE	0	1	Ci. Cu.	...	3	
1·58	·228	70·0	59·8	·397	54	ESE	0	1	Ci. Cu	...	...	
2·3	·228	69·7	59·6	·396	55	ESE	0	1	Ci. Cu	...	2	
2·8	227	70·0	59·8	·397	54	SE	0	1	Ci. Cu.	SE to NW	...	
2·13	·226	70·3	59·9	396	53	SE	1·2	1	Ci Cu	SE to NW	1	
2·18	·223	70·2	60·1	·405	55	SE	2·4	1	Ci. Cu	SE to NW	...	
2·23	·223	71·0	60·8	·415	55	SE	2·4	1	Ci. Cu.	SE to NW	0·6	
2·28	·221	70·4	60·7	·419	56	SSW	4·8	1	Ci., Ci. Cu	SE to NW	...	
2·33	·220	72·5	61·1	·407	51	SSW	2·4	1	Ci., Ci. Cu.	SE to NW	...	
2·38	·218	73·2	62·2	·434	53	SSW	1·2	1	Ci., Ci. Cu.	SE to NW	...	
2·43	·217	74·0	62·3	·427	51	SSW	0	1	Ci., Ci Cu.	SE to NW	...	2·49 P.M. eclipse ended.
2·58	·216	74·0	62·2	·424	50	SW	0·8	1	Ci., Ci. Cu.	SE to NW	...	
3·13	·212	72·7	61·2	·409	51	SW	0·4	1	Ci., Ci. Cu.	SE to NW	...	
3·28	·210	72·7	61·5	418	53	S	2·8	2	Ci., Ci Cu.	SE to NW	.	
3·43	·212	74·0	62·7	·440	53	W	2·8	3	Ci., Ci. Cu	SE to NW	...	
3·58	·216	73·8	61·9	·416	49	WNW	1·6	3	Ci., Ci. Cu	SE to NW	...	
4·13	·224	73·3	62·5	·441	54	NW	4·4	3	Ci., Ci Cu	SE to NW	...	

No. 50. Lat. 27° 10′ N. AGRA. Long. 78° 5′ E.

Three hundred and twenty-five miles from central line of totality. Greatest obscuration 9.

Hour. Madras time.	Barometer. Corrected and reduced to 32° F.	Barometer. Reduced to sea-level and constant gravity.	Dry bulb corrected.	Wet bulb corrected.	Aqueous vapour pressure.	Relative humidity.	Wind. Direction.	Wind. Amount since preceding interval, in miles per hour.	Cloud proportion.	Proportion of eclipse, totality 10.	Weather and other remarks.
A.M.	"	"	°	°	"	%					
10·9	29·507	30·041	72·2	59·3	·333	42	NW	...	*Nil*	..	The sky was perfectly clear during the whole day.
10·24	·513	·047	72·4	59·4	·335	42	NW	8·0	"		
10·39	·509	·041	74·2	60·3	·338	40	NW	8·8	"		
10·54	·504	·034	75·0	60·5	·336	39	NW	10·0	"		
11·9	·502	·030	76·2	61·5	·352	39	NW	8·0	"		
11·24	·495	·021	77·2	62·1	·358	38	NW	8·4	"		
11·39	·491	·017	77·3	62·3	·363	38	N	8·0	"		
11·54	·486	·011	78·0	62·5	·360	38	NW	7·2	"		
P.M.											
0·9	·483	·008	79·2	62·4	·354	37	NW	8·0	"	...	Eclipse was seen to commence from south-west.
0·14	·479	·005	77·4	61·5	·335	37	NW	9·6	"	1	
0·19	·471	29·996	77·7	62·3	·356	38	NW	8·4	"		
0·24	·471	·996	78·2	62·3	·350	36	NW	7·2	"	2	
0·29	·466	·991	78·2	62·3	·350	36	NW	7·2	"	3	
0·34	·464	·989	78·3	62·3	·350	36	NW	9·6	"		
0·39	·464	·988	79·1	63·1	·365	37	NW	9·6	"		
0·44	·464	·988	79·2	63·3	·369	37	NW	4·8	"		
0·49	·462	·986	79·3	63·5	·376	37	NW	4·8	"	4	
0·54	·458	·982	78·7	63·1	·372	38	NW	8·4	"		
0·59	·458	·982	79·2	63·4	·374	37	NW	4·8	"		
1·4	·456	·980	79·2	63·3	·369	37	NW	3·6	"	6	The sunshine began to fade and turned greyish.
1·9	·456	·981	78·2	63·1	·378	39	NW	6·0	"	7	
1·14	·454	·979	77·7	62·5	·364	38	NW	4·8	"	...	It began to grow slightly dusky.
1·19	·452	·978	77·0	62·3	·367	39	NW	6·0	"		
1·24	·448	·973	77·2	62·5	·371	40	NW	2·4	"		
1·29	·448	·973	77·2	63·1	·391	42	NW	3·6	"	8	It became quite dusky.
1·34	·444	·970	76·2	62·5	·384	43	N	7·2	"		
1·39	·443	·970	75·6	63·1	·412	46	NW	4·8	"	9	It began to clear.
1·44	·443	·971	75·2	63·3	·423	48	NW	3·6	"	8	
1·49	·440	·968	75·0	63·3	·427	49	NW	3·6	"		
1·54	·438	·967	74·9	62·7	·408	47	NW	3·6	"	7	
1·59	·436	·964	75·2	63·3	·423	48	NW	2·4	"	4	Bright sunshine began to prevail.
2·4	·436	·963	75·9	63·5	·420	47	NW	3·6	"	3	
2·9	·434	·959	76·8	63·3	·403	44	NW	2·4	"	2	
2·14	·434	·959	76·8	63·9	·422	46	NW	1·2	"		
2·19	·436	·961	77·2	63·9	·418	45	NW	4·8	"		
2·24	·434	·958	78·2	64·3	·416	43	NW	2·4	"	1	
2·29	·434	·958	78·2	64·3	·416	43	SW	2·4	"		
2·34	·434	·957	79·2	64·7	·419	42	SW	4·8	"		
2·39	·434	·956	79·6	63·3	·365	36	NW	4·8	"		
2·44	·434	·956	80·3	63·8	·373	36	NW	3·6	"		
2·49	·434	·955	80·5	64·7	·401	39	NW	4·8	"		
2·54	·434	·956	80·4	64·2	·385	36	NW	3·6	"	...	At 2·56 P.M. eclipse ended at north-east.
2·59	·434	·955	80·6	64·4	·389	37	SW	4·8	"		
3·14	·434	·956	80·2	64·6	·402	40	NW	5·6	"		
3·29	·433	·955	79·8	63·3	·363	35	NW	6·8	"		
3·14	·437	·959	79·8	63·3	·363	35	NW	8·4	"		
3·59	·443	·965	80·1	63·6	·369	36	NW	7·2	"		
4·9	·440	·962	80·1	62·3	·326	31	NW	3·6	"		

No 51 Lat 23° 3′ N AHMEDABAD Long. 72° 36 E.

Three hundred and forty miles from central line of totality Greatest obscuration 9

Hour	Barometer						Wind				
Madras time	Corrected and reduced to 32° F	Reduced to sea level and constant gravity	Dry bulb Corrected	Wet bulb Corrected	Aqueous vapour pressure	Relative humidity	Direction	Amount since preceding interval in miles per hour	Cloud proportion	Proportion of eclipse, totality 10	Weather and other remarks
A M	"	"	°	°	"	%					
10 31	29 912	29 978	82 1	59·9	223	21	ENE		Nil		The sky was clear throughout Birds ceased flying during the eclipse of the sun (from proportion 4 to 9) and rested in their nests or trees etc
10 46	913	·979	83 2	60·2	215	19	ENE	3 2	"		
11 1	913	9 8	84 5	61 2	231	19	ENE	4 8	"		
11 16	908	973	83 2	60·9	215	17	E	4 4	"		
11 31	901	966	86 1	60 9	202	16	SSE	7 0	"	0 1	
11 41	896	959	86 5	61 7	220	17	SSE	6 0	"	0 3	
11 46	892	956	87 1	62 2	229	18	SE	11 9	"	0 5	
11·51	890	954	87 3	62 4	232	18	SE	3 7	"	0 8	
11 56	887	951	87 7	62 7	237	18	SSE	4 8	"	1 0	
P M											
0 1	885	949	88 1	62 9	240	18	ESE	5 6	"	1 5	
0 6	885	949	88 2	63 0	240	18	ESE	4 6	"	1 8	
0 11	884	948	88 3	62·9	235	18	ESE	3·0	"	2·0	
0 16	881	945	88 5	62 7	·236	17	FSE	5 6	"	2 3	
0 21	874	937	88 9	62 2	205	15	SE	5 2	"	2 5	
0 26	871	935	88 1	61 9	207	16	SE	4 1	"	2·8	
0 31	869	·933	87 9	61 8	205	16	ESE	7 3	"	3 0	
0 36	867	931	87 9	62 1	215	16	ESE	5 0	"	3 5	
0 41	864	928	88·0	62 8	237	18	ESE	3·6	"	4 0	
0 46	862	926	87 9	·2 7	214	18	ESE	2 5	"	4 5	
0 51	861	925	87 6	62·6	235	18	ESE	2 5	"	5 0	
0 56	859	926	87 5	62 9	248	19	ESE	4 2	"	5 5	
1·1	859	923	86 7	61 8	221	17	ESE	3 4	"	6 0	
1 6	856	920	86 5	61 6	217	17	ESE	3 3	"	6 5	
1 11	851	916	86 1	61 3	213	16	SE	2 0	"	7 0	
1 16	849	914	85 9	61 7	228	19	SSE	1 7	"	8·0	
1 21	843	910	85 8	62 7	263	22	SSE	2·9	"	9 0	
1 26	845	910	85 8	63 0	273	22	SSE	1 3	"	8 5	
1 31	844	909	85·7	63 8	300	24	SSE	1 8	"	8 0	
1 36	843	910	85 8	63 8	·299	24	SSE	0·1	"	7·5	
1 41	844	909	85 8	63 7	296	24	SSE	0 2	"	7 0	
1·46	836	901	85 1	64 5	322	26	SSE	0 4	"	6·0	
1 51	83	897	86·8	64 9	·324	25	SSE	0·2	"	5 0	
1 56	833	897	86 7	63 0	260	21	SSE	0 1	"	4 0	
2 1	834	898	86·5	61 9	228	18	SSE	0	"	3·0	
2 6	834	896	87 0	62 7	250	19	SSE	0·6	"	2 0	
2 11	832	895	87 6	63 1	252	19	SSE	0 8	"	1 5	
2 16	831	893	87 7	62 5	230	18	SSE	0 7	"	1 3	
2 21	833	8 7	87 8	61 8	206	16	SSE	0 8	"	1·0	
2 26	830	894	88 3	62 8	232	18	SSE	1 2	"	0 8	
2 31	830	893	89·0	64 3	273	20	SSE	0·7	"	0 5	
2 36	827	890	88 9	63 1	234	17	SSE	1 3	"	0·3	
2 46	825	891	89 1	61·8	189	13	SSE	1 0	"	0·1	
3·1	829	892	90·3	64 6	267	19	ENE	2 2	"		
3 16	826	889	90 1	64 3	260	18	ENE	2 5	"		
3 31	825	888	90·1	63 8	242	17	ENE	2 5	"		
3 46	825	889	89 9	64 5	·268	19	ENE	1 8	"		
4 1	831	894	89 6	63 7	245	18	NE	2 4	"		
4 16	835	898	89 0	62·9	·228	17	ENE	1 8	"		
4 31	835	899	88 6	63·9	·266	20	NNE	0 8	"		

No. 52. Lat. 26° 10′ N. DARBHANGA: Long. 86° 0′ E.

Forty-seven miles from central line of totality. Greatest obscuration 8.

Hour.	Barometer.		Dry bulb corrected.	Wet bulb corrected.	Aqueous vapour pressure.	Relative humidity.	Wind.		Cloud proportion.	Proportion of eclipse, totality 10.	Weather and other remarks.
Madras time.	Corrected and reduced to 32° F.	Reduced to sea-level and constant gravity.					Direction.	Amount since preceding interval, in miles per hour.			
A.M.	"	"	°	°	"	%					
9-37	29·902	30·028	68·9	60·4	·414	58	ESE	...	*Nil*	...	
9-52	·893	·019	69·1	60·4	·411	57	SSE	1·6	"	...	
10-7	·890	·016	69·9	61·4	·433	59	SSE	22·8?	"	...	
10-22	·885	·011	71·1	62·0	·437	57	SSE	0·8	"	...	
10-37	·881	·006	72·3	62·3	·430	54	SSE	0·4	"	...	
10-52	·869	29·994	72·9	62·3	·422	52	SSE	2·0	"	...	
11-7	·864	·989	73·3	62·3	·416	51	SSE	4·0	"	...	
11-22	·850	·975	74·9	62·9	·415	48	SSE	1·6	"	...	
11-37	·850	·975	74·9	62·9	·415	48	SSE	0	"	...	
11-52	·843	·967	75·3	63·0	·413	47	SSE	2·4	"	...	
P.M.											
0-7	·839	·964	74·9	63·0	·418	48	SSE	1·6	"	...	
0-12	·837	·962	74·9	63·0	·418	48	SSE	2·4	"	...	
0-17	·830	·954	75·1	63·0	·416	48	SSE	4·8	"	...	
0-22	·828	·952	75·1	63·0	·416	48	...	...	"	2	
0-27	·826	·950	75·1	63·0	·416	48	...	...	"	...	
0-32	·824	·948	75·1	63·1	·419	48	SSE	4·8	"	...	
0-37	·822	·946	75·7	63·3	·417	46	...	...	"	...	
0-42	·817	·941	75·7	63·9	·438	49	...	...	"	...	
0-47	·817	·941	75·7	63·6	·428	49	SSE	18·0	"	4	
0-52	·815	·939	75·7	63·9	·438	49	...	...	"	...	
0-57	·812	·936	75·5	63·3	·420	47	...	...	"	...	
1-2	·812	·936	75·3	63·3	·423	48	SSE	2·0	"	...	
1-7	·808	·932	75·7	63·3	·417	46	...	...	"	...	
1-12	·807	·931	75·4	63·1	·415	47	...	...	"	6	
1-17	·807	·932	74·9	62·9	·415	48	SSE	2·4	"	...	
1-22	·805	·930	74·5	62·1	·393	45	...	...	"	...	F ne clear weather
1-27	·805	·930	74·5	62·1	·393	45	...	...	"	...	
1-32	·803	·928	74·1	62·1	·399	47	SSE	0·8	"	8	
1-37	·800	·925	73·9	62·1	·402	48	...	...	"	...	
1-42	·798	·923	73·4	63·1	·442	54	...	...	"	...	
1-47	·797	·922	72·4	63·5	·468	58	SSE	0·8	"	...	
1-52	·794	·919	71·4	63·5	·481	62	...	...	"	...	
1-57	·796	·921	71·1	63·1	·472	62	...	...	"	...	
2-2	·797	·922	69·9	63·1	·488	67	SSE	0	"	...	
2-7	·797	·921	72·9	63·5	·461	57	...	...	"	...	
2-12	·795	·920	70·5	64·1	·514	68	...	...	"	...	
2-17	·795	·920	71·1	64·9	·533	69	Calm	0	"	...	
2-22	·791	·915	71·7	64·9	·526	67	...	...	"	...	
2-27	·790	·914	72·9	64·9	·510	63	...	...	"	...	
2-32	·790	·914	73·3	64·9	·504	60	SSE	2·0	"	...	
2-37	·790	·914	74·7	63·7	·444	52	...	...	"	...	
2-42	·789	·913	74·9	63·5	·435	50	...	...	"	...	
2-47	·789	·913	74·9	63·5	·435	50	SSE	0	"	...	
2-52	·789	·913	74·9	63·3	·429	50	...	...	"	...	
2-57	·789	·913	74·9	63·4	·432	50	...	...	"	...	
3-2	·789	·913	74·9	63·1	·422	49	Calm	0	"	...	
3-7	·789	·913	74·9	63·1	·422	49	...	...	"	...	
3-12	·789	·913	74·9	63·1	·422	49	...	...	"	...	
3-17	·789	·913	74·9	62·7	·408	46	SSE	3·2	"	...	
3-22	·789	·913	74·9	62·7	·408	46	...	...	"	...	
3-27	·789	·913	74·9	62·7	·408	46	...	...	"	...	
3-32	·789	·913	74·9	62·7	·408	46	SSE	2·0	"	...	
3-37	·789	·913	74·9	62·5	·401	46	SSE	2·4	"	...	

No 53 Lat 26° 46 N GORAKHPUR Long 86° 18 E

Ninety-one miles from central line of totality Greatest obscuration 8

Hour Madras time	Barometer Corrected and reduced to 32° F	Barometer Reduced to sea-level and constant gravity	Dry bulb corrected	Wet bulb corrected.	Aqueous vapour pressure	Relative humidity	Wind Direction	Wind Amount since preceding interval in miles per hour	Cloud proportion	Weather and other remarks.
A M	"	"	°	°	"	%			Nil	
9 48	29 772	30 001	63 7	56 6	366	63	SSE			Fine clear weather throughout.
9 53	771	000	64 2	57 1	375	63	E	1'2		
9 58	771	29 999	65 2	57 6	376	61	NNE	1 2		
10 3	769	998	65'6	58 1	386	61	NNE	7 2	"	
10 8	'768	996	66 2	58 3	383	59	NNE	9 6	"	
10-13	768	'996	66'2	58 3	383	59	E	2 4	"	
10 18	765	993	66 7	58 6	'387	60	NNE	2 4	"	
10-23	765	993	67 0	58 9	392	60	Calm	0		
10 28	765	'993	67 2	59'0	'392	59	SSE	1 2	"	
10-33	765	'993	67 7	59 6	405	60	SSE	2 4	"	
10 38	764	992	68 4	59'6	395	57	E	2 4	"	
10-43	763	990	68 5	59 6	394	56	E	1'2	"	
10 48	763	'990	69 0	60'1	402	56	Calm	0	"	
10-53	759	'986	69 4	60 1	398	55	SE	1 2		
10-58	758	'984	69 6	60 1	395	54	NNE	2 4	"	
11 3	758	984	69 7	60 2	'397	54	E	1'2	"	
11 8	758	984	70 2	60 5	400	54	Calm	0	"	
11 13	754	980	70 5	60'2	385	52	NE	1 2		
11 18	754	'980	70 7	60 3	386	51	NE	1 2	"	
11 23	753	979	71 0	60 4	386	51	Calm	0		
11 28	745	971	71 2	60 6	390	51	NE	2 4	"	
11 33	745	971	71 6	61 1	400	52	NE	1 2		
11 38	739	965	71 7	61 1	399	52	SE	1 2	"	
11 43	739	965	71 7	61 1	399	52	E	1 2		
11 48	733	958	71 9	61 1	396	51	NNE	1 2	"	
11 53	733	'958	72 4	61 1	389	49	Calm	0	"	
11 58	733	958	72 8	61 1	384	47	N	1 2	"	
P M										
0 3	725	950	73 1	61 1	376	46	Calm	0	"	
0 8	725	'950	73 1	61 1	376	46	NW	1 2		
0-13	725	950	73 1	61 1	376	46	SSW	1 2	"	
0 18	714	939	73 2	61 2	382	46	SSE	3'6		Eclipse commenced
0-23	'714	'939	73 2	61 3	'385	46	E	1 2		
0-28	713	938	73 3	61'9	403	49	S	1 2	"	
0 33	709	'934	73 3	61 9	403	49	Calm	0		Decrease in brightness of day commenced to be noticed
0-38	710	935	73 3	62 0	406	50	SE	2 4	"	
0-43	710	935	73 3	62'0	406	50	SE	1 2		
0 48	676	'900	73 2	62 6	428	53	Calm	7 2	"	Decrease in brightness marked
0 53	676	'900	73 2	62 6	428	53	Calm	0		
0 58	676	900	73 7	62 6	421	51	Calm	0		
1 3	675	898	73 7	62 6	421	51	Calm	0	"	
1 8	677	900	73'2	62 1	411	51	NW	1 2		
1-13	677	'900	73 2	62 1	411	51	NW	1 2		
1 18	'677	900	73 2	62 1	411	51	W	1 2		
1 23	678	901	73 0	61 9	407	51	W	1 2	"	
1 28	'678	'901	73'0	61 9	407	51	NW	1 2		
1 33	678	'901	73 0	61'9	407	51	NW	1'2	"	
1 38	676	899	72 7	62 1	418	52	W	1 2	"	
1 43	'676	899	72'7	62'6	435	53	W	2 4		Sun obscured decrease in brightness very marked
1 48	708	'933	73 3	62 0	406	50	E			Do commenced to clear
1 53	708	933	73'3	62 0	406	50	SE			
1 58	700	925	73 3	62 0	406	50	SE			
2 3	700	925	73'0	61'3	388	47	E		"	
2 8	698	923	72 8	61 3	391	48	NE		"	
2 13	698	'9 3	72'7	61'3	391	48	Calm			
2 18	699	'924	72 4	61 3	396	50	Calm	0		
2 23	'693	918	72 2	61 3	398	50	Calm	0		
2 28	693	'918	71 2	62 1	438	57	Calm	0		
2 33	693	'918	70 7	62 1	445	59	Calm	0		
2 38	687	'912	70 2	62 1	451	61	Calm	0		
2 43	687	'912	69 7	61 9	452	62	Calm	0		
2 53	689	913	69 2	61 9	459	64	Calm	0	"	Eclipse terminated
2 58	689	913	69 2	61'9	459	64	Calm	0		
3 3	684	909	69 3	62 1	463	64	Calm	0		
3 8	684	'909	69 7	62 6	475	66	Calm	0		
3 13	681	'905	70'2	62'9	478	65	Calm	0		
3 18	681	'905	70'7	63'1	478	64	Calm	0	"	
3 23	681	'905	71 7	63 1	465	60	Calm	0	"	
3 28	681	905	71 9	63 1	462	59	Calm	0		
3 33	678	903	72 2	63 1	458	58	Calm	0	"	
3 38	677	902	72 2	63 1	458	58	Calm	0	"	
3 43	'676	899	72'7	63 1	451	56	Calm	0		
3'48	676	899	72 7	62 6	435	55	Calm	0	"	

No. 54. Lat. 24° 4′ N. DALTONGANJ. Long. 84° 7′ E.

Ninety-three miles from central line of totality. Greatest obscuration 8.

Hour. Madras time.	Barometer. Corrected and reduced to 32° F.	Barometer. Reduced to sea-level and constant gravity.	Dry bulb corrected.	Wet bulb corrected.	Aqueous vapour pressure.	Relative humidity.	Wind. Direction	Wind. Amount since preceding interval, in miles per hour.	Cloud proportion.	Weather and other remarks.
	"	"	°	°	"	%				
A.M. 9·45	29·326	30·040	67·9	57·4	·334	48	SW	...	*Nil*	
10·0	·326	·039	68·9	57·9	·337	47	SW	0·8	"	
10·15	·326	·035	70·9	58·4	·324	43	SW	1·2	"	
10·30	·326	·034	71·9	58·9	·327	42	SW	1·6	"	
10·45	·322	·028	72·4	58·9	·320	41	W	3·6	"	
11·0	·318	·023	72·9	58·9	·313	39	W	2·8	"	
11·15	·313	·015	75·4	58·9	·280	32	W	4·0	"	
11·30	·310	·010	76·4	58·9	·267	29	W	7·6	"	The weather was calm from morning to 11·30 A.M., when a sudden burst of wind continued blowing till 3·45 P.M., with force, increasing and decreasing at short intervals. The sky was clear and quite free from clouds throughout.
11·45	·297	29·996	77·4	58·9	·254	27	W	12·0	"	
12·0	·293	·990	77·9	58·9	·247	26	W	10·0	"	
P.M. 0·15	·285	·979	79·9	59·9	·251	25	W	9·2	"	
0·30	·275	·969	79·9	59·9	·251	25	WNW	6·4	"	The eclipse commenced at 0·25 P.M., and the greatest obscurity was in proportion eight-tenths.
0·35	·272	·965	80·1	59·9	·248	25	WNW	8·4	"	
0·40	·268	·961	80·4	59·7	·239	24	WSW	12·0	"	When the obscurity was approaching its full extent, a sudden coldness of the air was felt, which gradually disappeared with the eclipse. The daylight during highest obscurity was like faint electric light.
0·45	·268	·961	80·4	59·7	·239	24	WSW	12·0	"	
0·50	·268	·960	80·9	59·7	·231	23	WSW	15·6	"	
0·55	·266	·959	80·4	59·4	·229	22	W	8·4	"	
1·0	·266	·959	80·1	59·4	·233	23	WNW	12·0	"	
1·5	·261	·954	79·9	59·4	·235	23	WNW	12·0	"	
1·10	·257	·950	79·9	59·4	·235	23	WNW	8·4	"	
1·15	·257	·951	79·4	58·9	·227	23	WNW	12·0	"	
1·20	·260	·954	78·9	58·7	·227	24	WSW	24·0	"	
1·25	·260	·954	78·7	58·7	·230	24	W	3·6	"	
1·30	·254	·950	77·9	57·9	·217	23	W	9·6	"	
1·35	·250	·948	77·4	57·9	·224	24	WNW	12·0	"	
1·40	The mercury column became unsteady and the hours until undiscernible.	Owing to insufficient light the scales of the barometer could not be read.	76·9	57·9	·230	25	WNW	8·4	"	
1·45			75·9	57·7	·237	27	W	7·2	"	
1·50			75·7	57·7	·240	27	W	8·4	"	
1·55			74·9	57·7	·250	29	WSW	6·0	"	
2·0			74·9	57·7	·250	29	W	4·8	"	
2·5			75·0	57·7	·249	29	W	4·8	"	
2·10			75·4	57·9	·250	28	W	4·8	"	
2·15			75·9	57·7	·244	27	WSW	7·2	"	
2·20			76·4	58·4	·251	27	WSW	4·8	"	
2·25	·252	·950	76·9	58·9	·260	28	W	7·2	"	
2·30	·249	·945	77·7	59·1	·256	27	W	7·2	"	
2·35	·249	·945	77·9	59·4	·262	27	W	7·2	"	
2·40	·249	·943	78·9	59·4	·249	25	W	12·0	"	
2·45	·247	·941	78·9	59·4	·242	25	W	8·4	"	
2·50	·249	·943	79·4	59·4	·242	24	W	13·2	"	
2·55	·249	·942	79·7	59·4	·238	23	W	12·0	"	The eclipse terminated at 3·0 P.M.
3·0	·246	·939	79·9	59·4	·235	23	W	9·6	"	
3·15	·250	·943	80·5	59·7	·237	23	W	15·2	"	
3·30	·247	·940	80·3	59·4	·230	22	W	12·8	"	
3·45	·247	·940	80·1	58·9	·218	22	W	8·4	"	

No. 55. Lat. 16° 49′ N BIJAPUR. Long. 75° 48′ E

Ninely five miles from central line of totality Greatest obscuration 8

Hour	Barometer						Wind				
Madras time.	Corrected and reduced to 32° F	Reduced to sea level and constant gravity	Dry bulb corrected	Wet bulb corrected.	Aqueous vapour pressure	Relative humidity	Direction	Amount since preceding interval, in miles per hour	Cloud proportion	Proportion of eclipse, totality 10	Weather and other remarks
	″	″	°	°	″	%					
A M											
10 15	28 094	30·003	75 4	57 1	242	27	ESE	?	*Nil*		
10·25	095	002	75·9	57 5	246	28	ESE	6·0	,,		
10·35	·097	000	76 9	58 1	252	27	ESE	7·2	,,		
10·45	096	29 998	77·2	57 9	242	26	ESE	7 2	,,		
10·55	·093	994	77 5	58 5	257	28	ENE	7 2	,,		
11 5	·087	988	77 6	58 5	256	28	ENE	4 8	,,		
11 15	087	986	78 1	57·9	232	24	ESE	9 6	,,		
11·25	083	979	78 7	58 2	·233	23	E	4 8	,		
11 35	080	·974	79 2	58 9	247	24	ESE	13 2	,,		
11 45	·076	969	79 3	59 1	·253	25	ESE	7 8	,,	,	At 11 47 A M the sun began to be obscured from SW, the sky was clear and blue without any cloud
11 55	071	963	79 4	59·1	251	24	ENE	6 0	,,	1	
P M											
0 5	064	956	79 3	58·9	245	24	ENE	8 4	,,	2	
0·15	062	951	80 0	59 1	242	23	E	5·4	,,	2	0·20 P M sunlight became little dim a breeze began to blow, weather was chilly and sky cloudless and blue in the middle and white at near the horizon
0 25	055	946	79 5	58 9	244	24	ENE	5 4	,,	3	
0 35	051	943	79 3	58 7	·241	24	ENE	6 0	,	4	
0 45	050	943	79 1	58 1	225	22	ENE	5 4	,,	5	
0 55	043	937	78 5	57 7	220	22	ENE	7 8	,,	7	
1· 5	040	938	77 5	57 1	215	22	NE	4 2	,,	75	1·6 P M The sky dark blue in the middle and whitish near the horizon, weather more chilly and sky cloudless
1 15	032	·933	76 5	56 3	205	21	NE	6·6	,,	8	1·13 P M Sun light became more dim and somewhat blackish The scene all around appeared gloomy. Uncloured part of sun appeared red at the time of sun set. One star was seen to the S E about 3 or 4 feet from the sun
1 25	030	·934	75 7	56·9	231	26	NE	4·2	,,	7	
1·35	·026	927	76·2	56·8	222	24	E	2 4	,	6	
1 45	022	919	77 2	57 0	217	22	ENE	6·6		5	1 27 A M The eclipse began to decrease, the star disappeared at about 1 40 P M
1 55	022	·918	77 4	57 1	217	22	ENE	3 6	,	4	1·45 P M Weather little hot.
2· 5	022	·917	77 7	57 4	223	22	ENE	4 8	,	3	
2 15	017	·911	78 1	57 7	224	23	ENE	4 2	,,	2	
2 25	·016	·906	78 7	58 0	227	23	ENE	9 6	,	1	
2 35	·016	·901	80·0	58 2	216	20	ENE	7 2	,		
2·45	016	899	80·6	58 9	230	21	ENE	4 8	,		2·44 P M The sun became completely clear by the NE side The eclipse lasted 2 hours and 57 minutes and the sky was cloudless during the time
2 55	016	898	80 8	59 1	234	22	ENE	5·4	,,	,	
3· 5	016	898	81 0	59 1	230	21	ESE	4 8	,,		
3 15	·015	897	81 1	59 1	230	21	ESE	4 8	,		
3·25	015	896	81 3	59·1	228	20	NE	7·8	,,	,,	
3·35	017	·897	81 5	59 1	·224	20	ENE	4 2	,,		
3 45	017	897	81·6	59 1	2·4	20	ENE	7 2	,,	—	
3 55	019	·898	81 7	59 1	·224	20	ESE	5 4	,,	—	
4 5	019	·898	81 8	59 1	222	19	ESE	9·0	,,	,,,	

No. 56. Lat. 23° 49′ N. SAUGOR. Long. 78° 48′ E.

One hundred and twenty-seven miles from central line of totality. Greatest obscuration 8.

Hour.	Barometer.		Dry bulb corrected.	Wet bulb corrected.	Aqueous vapour pressure.	Relative humidity.	Wind.		Cloud.		Proportion of eclipse, totality 10.	Weather and other remarks.
Madras time.	Corrected and reduced to 32° F.	Reduced to sea-level and constant gravity.					Direction.	Amount since preceding interval, in miles per hour.	Proportion.	kind.		
A.M.	"	"	°	°	"	%						
10·6	28·259	30·047	74·7	55·0	·190	22	NNE	...	*Nil*	...		
10·21	·260	·044	75·2	55·8	·207	23	ENE	14·8	"	...		
10·36	·262	·040	77·1	56·0	·189	20	NE	10·0	"	...		
10·51	·260	·042	75·9	55·0	·175	19	NNE	6·4	"	...		
11·6	·254	·036	76·2	55·3	·179	19	N	7·6	"	...		
11·21	·250	·024	78·4	57·0	·201	20	N	21·2	"	...		
11·36	·240	·014	78·2	56·0	·176	18	NNE	23·6	"	...		
11·51	·238	·009	78·5	56·5	·186	19	N	27·2	"	...		
P.M.												
0·6	·228	29·996	80·0	57·0	·182	18	ENE	21·6	"	...	...	Eclipse commenced at 0·11 P.M.
0·16	·224	·993	79·2	57·3	·199	19	ENE	9·6	"	...		
0·26	·220	·985	79·9	57·7	·203	20	E	1·8	"	...		
0·36	·216	·985	79·0	56·0	·165	17	NE	12·6	"	...		
0·46	·214	·983	78·9	56·0	·166	17	N	5·4	"	...		
1·6	·198	·970	77·8	55·0	·153	15	NNE	9·3	"	...		
1·16	·196	·969	78·0	56·0	·178	18	ENE	40·8	"	S. Cu.		Strong wind.
1·26	·192	·969	76·5	55·8	·191	21	ENE	39·6	"	S. Cu.	...	Strong wind. The atmosphere was as cool as it generally gets during cloudy weather and before rain commences.
1·41	·194	·974	75·6	55·7	·197	22	ENE	23·2	"	S. Cu.		
1·56	·178	·960	74·6	58·2	·282	33	NNE	5·6	"	...		
2·11	·180	·950	78·2	57·8	·226	23	ENE	2·4	"	...		
2·26	·174	·937	79·4	57·2	·195	19	Calm	11·2	"	...		
2·41	·178	·941	79·4	56·7	·180	18	E	25·2	"	...	...	Eclipse terminated at 2·51 P.M.
2·56	·173	·934	80·4	57·6	·195	19	ESE	28·0	"	...		
3·11	·177	·939	80·1	57·2	·186	18	WNW	16·4	"	...		
3·26	·185	·950	79·9	56·8	·177	18	N	16·4	"	...		
3·41	·185	·950	80·0	56·6	·170	17	N	15·2	"	...		
3·56	·187	·952	80·1	57·6	·198	19	NNW	7·6	"	...		
4·6	·189	·951	80·4	58·0	·206	19	NNW	25·8	"	...		

No. 57. Lat 20° 34′ N MALEGAON. Long. 74° 22 E

One hundred and thirty five miles from central line of totality Greatest obscuration 8

Hour.	Barometer.						Wind		Cloud		
Madras time	Corrected and reduced to 32° F	Reduced to sea level and constant gravity	Dry bulb corrected	Wet bulb corrected	Aqueous vapour pressure	Relative humidity	Direction	Amount since preceding interval in miles per hour	Proportion	Kind	Weather and other remarks
A M	"	"	°	°	"	%					
10-23	28 627	30 026	77 7	56 3	189	19	NNE	0	*Nil*		
10-43	619	014	78 9	57 2	201	20	ENE	0·8	"		Fine clear weather
10 58	628	021	79 5	59 0	247	24	NNE	1 6	"		Ditto
11 13	615	002	81 7	56 5	147	14	ENE	1·6			
11-28	604	29·988	82 8	56 9	144	13	ENE	3·6			
11 43	603	984	83 7	58 0	165	14	ESE	3 6	"		
11 58	599	·977	85 1	58·2	152	12	SE	2 8	"		
P M											
0-13	596	·972	85 7	59 8	192	12	SSE	2 8	"		
0 28	595	·972	85·3	58 9	170	16	NNE	2 4	"		
0 43	590	·966	85 5	60 0	202	14	NE	2 8	"		
0 58	585	962	84 5	59 2	191	17	NNE	3 2	"	—	
1 13	586	·964	84 3	59·8	211	19	NE	4 4	9	Pk	Strong wind
1 28	·577	958	83 3	58 8	194	17	N	2 4	9	Pk	
1·43	554	·938	81 8	58 6	·207	20	NE	4·0	9	c	
1 58	548	930	82 3	58 8	206	19	ENE	4 4	9	c	
2 13	539	919	83 1	59·9	229	21	NNE	28 18	7	Pc C	
2 28	538	·916	83 7	60 1	227	20	NE	6·0	8	c	
2 43	539	914	84 6	60·9	241	21	NE	2 8	6	Pc C	
2 58	535	·910	84 5	61 2	·250	21	NE	9 2	7	Pc C.	
3 13	543	·918	85 1	61 9	266	22	NNE	5 6	7	Pc C	
3 28	535	·908	85·7	62 1	·265	22	ENE	7·2	5	Pc.C.	
3 43	543	914	86 2	62 2	261	21	ENE	3 6	3	Pc C	
3 58	538	·908	86·5	62·7	·273	22	SSE	0·8	*Nil*		Fine, clear weather
4 13	546	915	86·9	63 0	·257	24	NNE	2 8	"		Ditto.

No. 58. Lat. 18° 54′ N. BOMBAY, METEOROLOGICAL OFFICE. Long. 72° 49′ E.

One hundred and thirty-five miles from central line of totality. Greatest obscuration 8·5.

Hour.	Barometer.		Dry bulb corrected.	Wet bulb corrected	Aqueous vapour pressure	Relative humidity.	Wind directions.	Cloud proportion.	Weather and other remarks.
Madras time.	Corrected and reduced to 32° F.	Reduced to sea-level and constant gravity.							
	″	″	°	°	″	%			
A.M.									
9·0	29·948	29·925	76·1	67·3	·553	61	...	Nil	
9·10	·949	·926	77·0	68·1	·570	61	...	,,	
9·20	·952	·929	77·2	68·1	·568	61	...	,,	
9·30	·955	·932	77·6	68·7	·582	61	...	,,	
9·40	·955	·935	77·8	69·0	·593	61	...	,,	
9·50	·959	·936	77·7	69·0	·591	62	...	,,	
10·0	·961	·938	78·0	68·5	·571	60	...	,,	
10·10	·960	·937	78·0	69·0	·583	61	...	,,	
10·20	·958	·935	78·3	69·3	·579	60	...	,,	
10·30	·958	·935	78·2	68·8	·579	60	...	,,	
10·40	·957	·934	79·0	68·2	·547	55	...	,,	
10·50	·952	·929	79·0	68·0	·539	54	...	,,	
11·0	·951	·928	79·5	68·0	·532	53	...	,,	
11·10	·949	·926	80·0	68·0	·525	51	NW	,,	
11·20	·948	·925	80·0	68·6	·547	53	...	,,	
11·30	·944	·923	80·8	67·0	·535	53	...	,,	
11·40	·941	·918	81·0	69·2	·558	52	...	,,	
11·50	·940	·917	81·5	68·5	·524	49	...	,,	At 11·48 colour round the sun faint, whitish. At 11·55 ,, ,, ,, milky.
12·0	·934	·911	82·0	68·2	·506	45	SW	,,	Wind light to gentle at intervals. At 0·4 P.M. colour of sun yellowish and brownish and at 0·7 P.M. sky colour not blue as before.
P.M.									
0·10	·928	·905	81·5	68·0	·505	47	SSW	,,	Wind light to gentle at intervals.
0·20	·927	·904	82·0	67·0	·517	52	SSW	,,	,, gentle.
0·30	·919	·896	82·8	70·0	·591	56	SSW	,,	At 0·32 P.M. colour round the sun whitish, and at 0·35 P.M. whitish and brown.
0·40	·916	·893	80·3	70·5	·617	60	SSW	,,	Moderate to fresh breezes at intervals. At 0·38 P.M. colour round the sun silvery.
0·50	·907	·884	79·7	70·0	·605	59	SSW	,,	At 0·47 P.M. sky colour blue-black.
1·0	·904	·881	79·7	70·3	·616	60	SSW	,,	Moderate to gentle cool breeze.
1·10	·892	·869	79·0	71·0	·653	66	SSW	,,	Do. Do. and sky colour blackish.
1·20	·887	·864	79·1	71·1	·655	66	SSW	,,	Do. Do. Do.
1·30	·881	·858	79·0	71·3	·664	67	SSW	,,	
1·40	·878	·855	79·1	72·1	·695	70	SSW	,,	
1·50	·875	·852	79·6	71·0	·646	64	SSW	,,	
2·0	·870	·847	80·0	71·3	·651	63	SSW	,,	
2·10	·873	·850	80·0	72·0	·679	66	SSW	,,	
2·20	·868	·845	80·0	72·0	·679	66	SSW	,,	
2·30	·869	·846	80·8	72·0	·660	63	SSW	,,	
2·40	·870	·847	81·0	72·5	·686	65	SSW	,,	
2·50	·870	·847	80·8	72·0	·669	63	SSW	,,	
3·0	·871	·848	81·1	72·0	·665	62	SSW	,,	
3·10	·871	·848	81·3	71·3	·663	59	SSW	,,	
3·20	·871	·848	81·5	70·2	·587	55	SSW	,,	

No. 59 Lat. 25° 38′ N. **DINAJPUR.** Long. 88° 41′ E

One hundred and eighty-nine miles from Central line of totality. Greatest obscuration 8.

Hour	Barometer						Wind		Cloud			Weather and other remarks
Madras time.	Corrected and reduced to 32° F.	Reduced to sea level and constant gravity.	Dry bulb corrected	Wet bulb corrected.	Aqueous vapour pressure	Relative humidity.	Direction.	Amount since preceding interval, in miles per hour	Proportion.	Kind.	Direction of motion.	
	"	"	°	°	"	%						
AM.												
9 26	29 948	30 031	67 2	60 5	·440	66	ENE	Nil	...	...		Before 9·26 A.M.—Weather cloudless and very clear
9 31	950	032	68 5	60 7	429	62	ENE	1 2	...	...		9·26 A.M.—Sky very clear and day very close.
9 36	949	031	69 5	60·9	423	59	ENE	1·2	...	...		10·26 A.M.—Gentle wind continuing till 1·16 P.M.
9·41	949	·031	69 9	61·2	427	58	ENE	1 2	...	...		11·56 A.M.—Little patches of clouds passing here
9·46	948	030	69 5	61·2	·431	60	ENE	0	...	...		and there over the sky till 1·6 P.M.
9 51	·947	029	69·5	61 2	·431	60	ENE	0	...	...		They were feather-like at their
9·56	·945	027	69 9	60·9	·415	57	NE	2 4	...	...		first appearance and of dusky
10 1	·941	·023	71 5	61·5	·415	54	NE	1 2	...	...		colour in the early period of the eclipse.
10· 6	·941	·023	7 ·9	61 1	·409	54	NE	0	...	...		1·21 P.M.—Eclipse began from south-west part
10·11	941	·023	71 1	61 5	420	56	NE	1 2	...	...		of sun and continued till 2·26 P.M.;
10·16	936	·018	71·5	61·5	·415	54	NE	0	...	...		greatest obscurity was eight-tenths
10·21	·935	016	72 3	61 7	411	52	ENE	0	...	...		During greatest obscuration sky
10·26	931	012	72·9	62 5	428	53	NE	1 2	...	...		changed into a yellowish and pale
10·31	928	009	72 5	61 9	415	52	SSE	2 4	...	...		colour. Suns rays grew mild and
10·36	928	009	73 3	61 7	398	49	SSE	1 2	...	...		pale
10 41	926	·007	71 5	62 5	407	48	SSE	0	...	...		Horizon on the north and north-west
10·46	925	·006	73 5	61·9	·402	49	SSE	0	...	...		looked gloomy as if covered with
10·51	·923	·004	73 5	62 3	414	50	SSE	1 2	...	...		Cumulo-nimbus clouds and the
10·56	·919	29 999	75 1	61 5	367	43	SSE	1·2	...	...		whole part shaded with dusky colour
11· 1	·916	997	74 1	62 5	·413	50	SSE	0	...	...		with little reddish as if covered with
11· 6	·911	992	74 5	61 5	·375	44	WSW	2 4	...	...		fog. The winds were cooler, and
11 11	·9 9	990	74 5	62 5	407	48	W	1 2	...	...		there were no clouds at all during
11·16	·904	984	75·3	62 5	396	45	W	2 4	...	...		the greatest obscuration.
11·21	902	982	75·2	62 3	·391	44	WNW	1 2	...	...		
11·26	900	980	75 3	62 2	387	44	WNW	3 6	...	...		
11 31	·899	980	74 9	62 3	395	45	W	1 2	...	...		
11 36	·895	·976	75 9	62 1	375	42	W	2 4	...	...		
11·41	·893	974	75·3	61 5	364	42	W	2 4	...	...		
11·46	891	·972	75 5	62 5	·394	45	W	1·2	...	...		
11·51	888	969	76 3	61 7	358	40	W	2·4	...	...		
11·56	885	966	76·5	61 9	362	40	SSE	1 2	1	Ci	W to E	
P.M.												
0· 1	881	962	76 5	62 1	·367	40	SSW	2·4	1	Ci	W to E	
0· 6	·878	958	75 9	61 3	350	39	SW	2 4	1	Ci	W to E	
0·11	·878	958	77 1	61 5	340	37	WSW	2 4	1	Ci	W to E	
0·16	875	955	76 7	60·2	304	33	SSW	3 6	1	Ci	W to E	
0·21	870	950	76·7	61·3	338	36	WNW	3 6	1	Ci	W to E	
0·26	868	·948	75·5	60·9	341	39	SSW	6 0	1	Ci	W to E	
0·31	863	·943	76 3	62 3	376	41	WSW	1 2	1	Ci	W to E	Clouds white, moving from west to east
0·36	864	·944	77·1	62 5	373	41	SW	2 4	1	Ci	W to E	
0·41	858	938	77 1	62 1	359	38	SSW	2 4	1	Ci	W to E	
0·46	858	938	77 2	62 3	·364	38	WSW	3 6	1	Ci	W to E	
0·51	858	938	76 9	61 7	348	38	WSW	3 6	1	Ci	W to E	
0·56	856	·936	76 3	61 7	357	40	WSW	3 6	1	Ci	W to E	
1· 1	·854	934	76 5	62 1	367	40	SSW	2 4	1	Ci	W to E	
1· 6	852	932	76 5	61 7	·355	39	SSW	1 2	1	Ci	W to E	
1·11	850	930	76·2	60·7	320	36	S	2 4	Nil	...	...	
1·16	845	·925	75 7	61 1	·346	39	SSW	4 8	...	...	...	
1·21	845	925	75 5	61 1	·347	39	SSW	3·6	...	...	...	
1·26	846	926	75 1	61 3	360	41	SW	2 4	...	...	...	
1·31	847	·928	74 5	61 1	361	42	SW	1 2	...	...	...	
1·36	845	·926	74 1	60·9	·359	43	SW	2 4	...	...	...	
1·41	843	·924	73·5	61·2	378	45	WSW	2 4	...	...	...	
1·46	842	·923	73 1	61 3	387	47	WSW	1 2	...	...	...	
1·51	841	·922	72·1	61 5	·397	52	WSW	1 2	...	...	...	
1·56	841	922	71·7	61 1	399	52	WSW	1·2	...	...	...	
2· 1	841	·923	71 5	60·9	·415	52	WSW	1 2	...	...	...	
2· 6	842	·924	71·2	62 5	·452	59	WSW	1 2	...	...	...	
2·11	843	925	71 5	62 9	461	60	WSW	2·4	...	...	...	
2·16	·841	922	71 5	62 2	·457	57	WSW	0	...	...	...	
2·21	841	922	73 3	63·9	469	57	SW	1·2	...	...	...	
2·26	·836	917	74 1	63·2	435	51	WSW	1 2	...	...	...	
2 31	836	·917	74·3	62 1	396	46	SW	1 2	...	...	...	
2·36	·838	·918	75·2	63 1	418	48	SW	0	...	...	...	
2·41	·840	·920	75 5	62 5	394	45	SW	1 2	...	...	...	
2·46	839	919	75 9	61 9	369	41	SW	2·4	...	...	...	
2 51	838	·918	76 2	62 1	371	41	WSW	3 6	...	...	...	
2·56	·837	917	76 1	61 5	354	40	WSW	3 6	...	...	...	
3· 1	·836	916	76 3	61·7	358	40	WSW	2·4	...	...	...	
3· 6	838	·918	76·2	61·5	353	39	SSW	3 6	...	...	...	
3 11	838	·918	76 1	61 5	354	40	SW	3 6	...	...	...	
3·16	·840	·92)	75 9	61 9	369	41	SSW	3 6	...	...	...	
3·21	840	0)	76 3	62·2	373	41	WSW	2·4	...	...	...	
3·26	841	92.	76 5	62·2	·370	40	WSW	4 8	...	...	...	

No. 60. Lat. 24° 16′ N. NAYA DUMKA. Long. 87° 18′ E.

Two hundred and eight miles from central line of totality. Greatest obscuration 8.

Hour.	Barometer.		Dry bulb corrected.	Wind.		Cloud proportion.	Proportion of eclipse, totality 10.	Weather and other remarks.
Madras time.	Corrected and reduced to 32° F.	Reduced to sea-level and constant gravity.		Direction.	Amount since preceding interval, in miles per hour.			
	″	″	°					
A.M. 9·32	29·552	30·015	...	...	...	*Nil*	...	
9·58	...	...	71·2	WNW	...	,,	...	
10·13	...	...	72·4	SSW	1·2	,,	...	
10·28	...	...	72·7	Calm	2·0	,,	...	
10·38	...	...	73·9	SSW	1·2	,,	...	
10·47	·542	·005	...	...	...	,,	...	
10·52	...	...	74·2	SSE	3·0	,,	...	The sky slightly blue but bright.
11·2	...	...	74·9	SSE	0·6	,,	...	
11·12	...	...	75·2	SSE	1·2	,,	...	
11·22	...	...	75·0	SSE	1·8	,,	...	
11·32	...	...	75·7	SSE	1·2	,,	...	
11·42	...	...	76·4	SSE	3·0	,,	...	
11·52	...	...	75·9	SW	1·2	,,	...	
P.M. 0·2	...	...	77·2	SSW	2·4	,,	...	
0·12	...	...	77·2	SSW	0·6	,,	...	The eclipse began at about 0·27 P.M. and continued to increase till 1·57 P.M. Greatest obscuration of the sun was between eight and nine tenths.
0·17	·486	29·942	...	...	...	,,	...	
0·22	...	...	78·2	SSW	1·8	,,	...	
0·32	...	...	77·9	Calm	1·2	,,	2	
0·42	...	...	77·2	Calm	1·2	,,	3	
0·52	...	...	77·7	Calm	1·2	,,	4	
1·2	...	...	77·7	WNW	1·2	,,	...	Sky hazy.
1·7	...	...	77·4	WNW	2·4	,,	...	
1·12	·455	·912	...	...	...	,,	...	
1·17	...	...	76·3	WNW	1·2	,,	...	
1·27	...	...	76·2	WNW	0·6	,,	5	Sky brown.
1·37	...	...	75·2	WNW	0·6	,,	6	Sky and weather gloomy.
1·47	...	...	74·2	Calm	0	,,	7	
1·57	...	...	74·2	Calm	0	,,	8	
2·2	...	...	73·2	Calm	0	,,	?	
2·12	·457	·918	...	...	...	,,	?	
2·17	...	...	74·2	Calm	0	,,	?	
2·27	...	...	75·2	WNW	0·6	,,	?	
2·37	...	...	75·9	WNW	0·6	,,	?	
2·47	...	...	76·2	WNW	1·2	,,	?	Sky and weather fair. The sun was fully clear at about 3·7 P.M.
2·57	...	...	76·4	WNW	1·2	,,	...	
3·2	...	...	76·4	WNW	1·2	,,	...	
3·12	·443	·900	...	...	...	,,	...	
3·17	...	...	76·4	SW	1·6	,,	...	
3·27	...	...	76·6	SSW	1·2	,,	...	
3·32	...	...	76·5	SW	1·2	,,	...	

No. 61. Lat. 26° 7′ N. DHUBRI. Long. 89° 50′ E.

Two hundred and ten miles from central line of totality. Greatest obscuration 8.

Hour.	Barometer.		Dry bulb corrected.	Wet bulb corrected.	Aqueous vapour pressure.	Relative humidity.	Wind.		Cloud proportion.	Proportion of eclipse, totality 10.	Weather and other remarks.
Madras time.	Corrected and reduced to 32° F.	Reduced to sea-level and constant gravity.					Direction.	Amount since preceding interval, in miles per hour			
A.M.	″	″	°	°	″	%					
9·22	29·962	30·038	63·7	59·1	·442	75	ENE	...	Nil	..	Fine clear weather throughout.
9·32	·960	·036	64·6	59·5	·443	73	ENE	3·0	,,	...	
9·42	·958	·033	65·4	59·7	·439	70	ENE	3·0	,,	..	
9·52	·960	·035	66·3	59·9	·430	66	ENE	1·8	,,	...	
10·2	·955	·030	67·1	60·1	·428	64	ENE	1·2	,,	...	
10·12	·951	·026	68·0	60·6	·432	63	ENE	1·2	,,	..	
10·22	·949	·023	68·7	61·5	·452	64	Calm.	0	,,	...	
10·32	·942	·016	69·2	61·3	·438	61	ENE	0·6	,,	...	
10·42	·940	·014	69·6	61·7	·446	61	Calm	0·6	,,	...	
10·52	·934	·008	70·5	62·0	·444	59	Calm	0	,,	...	
11·2	·926	·000	71·3	62·0	·433	56	ENE	1·2	,,	...	
11·12	·920	29·994	71·5	62·1	·433	56	ENE	1·8	,,	..	
11·22	·912	·985	72·3	60·4	·366	46	S	4·2	,,	.	
11·32	·906	·979	73·4	62·0	·405	49	WSW	3·6	,,	...	
11·42	·900	·973	73·5	60·3	·348	42	SW	3·0	,,	..	
11·52	·893	·966	74·4	61·5	·376	44	W	0·6	,,	...	
P.M.											
0·2	·885	·958	74·6	62·3	·399	45	W	1·8	,,	...	
0·12	·883	·956	74·6	61·7	·380	44	Calm	1·8	,,	...	
0·22	·879	·952	74·7	61·8	·382	44	Calm	1·8	,,	...	
0·32	·877	·950	75·0	61·5	·368	43	SSW	3·0	,,	...	
0·42	·870	·942	75·1	61·5	·367	43	S	0·6	,,	1	
0·52	·866	·938	76·4	62·9	·395	44	WNW	5·4	,,	2 at 0·57 P.M.	
1·2	·862	·934	75·9	61·1	·341	38	W	2·4	,,	3	
1·12	·858	·930	75·7	60·8	·334	38	SW	1·8	,,	4	
1·22	·854	·926	75·5	60·8	·337	39	SSW	3·0	,,	5	Little darkish
1·32	·852	·925	74·7	60·3	·332	38	SSW	2·4	,,	6	Little darkish. { A feeble shock of earthquake was felt.
1·42	·846	·919	74·2	60·1	·334	40	S	2·4	,,	7 at 1·37 P.M.	
1·52	·850	·923	73·3	60·1	·345	42	SW	1·2	,,	8	Ditto.
2·2	·849	·922	71·8	60·7	·385	50	WSW	0·6	,,	...	
2·12	·845	·918	72·2	60·3	·365	46	Calm	0·6	,,	7	Little darkish.
2·22	·845	·918	72·1	61·2	·396	50	Calm	0·6	,,	6	Ditto.
2·32	·845	·918	73·5	61·3	·381	46	Calm	0	,,	5 at 2·17 P.M.	Ditto.
2·42	·843	·916	74·4	61·3	·370	43	Calm	0	,,	4	
2·52	·843	·916	74·6	61·1	·360	42	WSW	0·6	,,	3 at 2·32 P.M.	
3·2	·843	·915	75·3	62·1	·383	44	WSW	1·2	,,	2 at 2·37 P.M.	
3·12	·843	·915	75·3	61·7	·373	43	Calm	1·8	,,	1 at 2·47 P.M.	
3·22	·845	·917	75·5	61·8	·371	42	W	0·6	,,	...	
3·32	·849	·925	72·1	61·8	·375	43	Calm	0·6	,,	..	

No. 62. Lat. 25° 27′ N. JHANSI. Long. 78° 37′ E.

Two hundred and fourteen miles from central line of totality. Greatest obscuration 8.

Hour.	Barometer.						Wind.		Cloud proportion.	Proportion of eclipse, totality 10.	Weather and other remarks.
Madras time.	Corrected and reduced to 32°F.	Reduced to sea-level and constant gravity.	Dry bulb corrected.	Wet bulb corrected.	Aqueous vapour pressure.	Relative humidity.	Direction.	Amount since preceding interval, in miles per hour.			
A.M.	″	″	°	°	″	%					
10-6	29·231	30·067	75·9	57·9	·242	27	Calm.	...	*Nil.*	..	
10-21	·230	·064	76·8	57·4	·215	23	Calm.	0	,,	...	
10-36	·229	·060	77·8	58·9	·247	26	N	0·8	,,	...	
10-51	·224	·054	78·8	58·9	·234	24	Calm.	0	,,	...	
11-6	·222	·050	79·8	59·9	·251	25	NNW	0·4	,,	...	
11-21	·217	·044	79·8	58·9	·221	22	Calm.	0	,,	...	
11-36	·211	·040	78·8	59·9	·264	27	NNW	0·4	,,	...	
11-51	·209	·039	77·8	59·9	·279	29	NNW	0·4	,,	...	
P.M. 0-6	·202	·037	75·9	57·4	·228	25	NNW	0·4	,,	...	
0-21	·195	·031	75·4	57·3	·232	26	NW	0·8	,,	...	
0-36	·186	·020	75·9	57·1	·220	24	NW	0·4	,,	1 at 0-26 P.M.	
0-41	·183	·019	74·9	56·9	·226	26	NW	0	,,	1	
0-46	·182	·018	74·9	57·0	·229	26	NW	1·2	,,	2	
0-51	·180	·016	74·9	57·0	·229	26	Calm.	0	,,	2	
0-56	·176	·012	74·9	56·9	·226	26	Calm.	0	,,	2	
1-1	·177	·013	74·9	56·9	·226	26	...	...	,,	2	
1-6	·175	·011	74·9	56·9	·226	26	NW	0·6	,,	3	
1-11	·172	·006	75·9	56·9	·212	24	...	...	,,	3	
1-16	·170	·004	75·9	56·9	·212	24	WNW	0·6	,,	4	
1-21	·170	·006	75·1	57·0	·227	26	...	...	,,	5	
1-26	·165	·001	75·1	57·0	·227	26	Calm.	0	,,	5	
1-31	·165	·001	75·1	56·9	·224	26	...	...	,,	6	
1-36	·163	29·999	74·9	56·9	·226	26	Calm.	0	,,	6	
1-41	·160	·996	74·9	56·9	·226	26	...	...	,,	7	
1-46	·158	·994	74·9	56·9	·226	26	Calm.	0	,,	7	
1-51	·156	·992	74·9	56·9	·226	26	...	...	,,	8	
1-56	·155	·991	74·9	56·9	·226	26	Calm.	0	,,	8	
2-1	·153	·989	74·9	56·9	·226	26	...	...	,,	7	
2-6	·151	·987	74·9	56·9	·226	26	Calm.	0	,,	6	
2-11	·148	·983	74·9	57·4	·241	27	...	...	,,	5	
2-16	·146	·981	74·9	57·9	·256	30	Calm.	0	,,	4	
2-21	·146	·981	74·9	57·9	·256	30	...	...	,,	3	
2-26	·144	·979	74·9	57·9	·256	30	Calm.	0	,,	3	
2-31	·144	·979	74·9	57·9	·256	30	...	...	,,	3	
2-36	·148	·983	74·9	57·9	·256	30	Calm.	0	,,	3	
2-41	·146	·981	74·9	57·9	·256	30	...	...	,,	2	
2-46	·147	·982	74·9	57·4	·241	27	Calm.	0	,,	1	
2-51	·148	·983	74·9	57·7	·250	29	...	...	,,	1	
2-56	·148	·982	75·4	57·7	·242	27	Calm.	0	,,	1	
3-1	·147	·980	75·9	57·9	·242	27	...	...	,,	1	
3-6	·146	·979	75·9	57·9	·242	27	Calm.	0	,,	...	
3-21	·146	·979	75·9	57·9	·242	27	Calm.	0	,,	...	
3-36	·148	·981	75·9	57·9	·242	27	NW	0·8	,,	...	
3-51	·149	·982	75·9	57·5	·231	26	WNW	1·2	,,	...	
4-56	·148	·979	76·8	57·9	·230	25	WNW	0·4	,,	...	

No. 63. Lat. 25° 52′ N. RANIGANJ. Long. 87° 58′ E.

Two hundred and twenty-nine miles from central line of totality. Greatest obscuration 8.

Hour.	Barometer.						Wind				
Madras time.	Corrected and reduced to 32° F.	Reduced to sea-level and constant gravity.	Dry bulb corrected.	Wet bulb corrected.	Aqueous vapour pressure.	Relative humidity.	Direction.	Amount since preceding interval, in miles per hour.	Cloud proportion.	Proportion of eclipse, totality 10.	Weather and other Remarks.
A.M.	"	"	°	°	"	%					
9·29	29·726	30·021	71·4	58·8	·330	43	ESE	...	*Nil*	...	Fine, clear weather throughout.
9·44	·721	·015	72·4	59·0	·321	41	SSW	1·6	"	...	
9·59	·719	·013	73·3	59·9	·336	41	Calm	0·4	"	...	
10·14	·715	·009	73·8	60·4	·347	41	ESE	1·2	"	...	
10·29	·711	·004	74·4	60·0	·326	38	Calm	0·8	"	...	
10·44	·700	29·992	75·6	60·8	·337	38	Calm	2·0	"	...	
10·59	·698	·989	76·5	60·8	·324	36	Calm	1·6	"	...	
11·14	·688	·978	77·4	61·9	·348	37	S	1·2	"	...	
11·29	·681	·971	77·8	61·2	·321	35	SSW	2·0	"	...	
11·44	·675	·964	77·7	60·7	·306	32	Calm	2·0	"	...	
11·59	·661	·950	78·7	61·1	·306	31	SSE	1·2	"	...	
P.M.											
0·14	·655	·944	78·5	62·4	·351	36	Calm	1·6	"	...	
0·29	·645	·934	79·4	60·4	·274	27	SW	2·6	"	...	Eclipse commenced between 0·29 P.M. and 0·34 P.M.
0·34	·644	·932	79·4	61·9	·322	32	Calm	2·4	"	1	
0·39	·642	·930	79·2	61·7	·318	32	Calm	1·2	"	...	
0·44	·638	·926	79·1	61·4	·311	31	SW	3·6	"	2	
0·49	·640	·929	78·4	61·2	·313	32	WNW	0	"	...	
0·54	·640	·929	78·4	61·7	·329	34	Calm	6·0	"	3	
0·59	·638	·927	77·7	61·0	·316	34	NNW	2·4	"	...	
1·4	·634	·923	77·5	61·0	·318	34	Calm	2·4	"	4	
1·9	·634	·923	78·4	62·4	·352	36	Calm	0	"	..	
1·14	·632	·921	78·6	60·7	·293	30	SSW	2·4	"	5	
1·19	·634	·923	78·6	61·5	·320	33	Calm	1·2	"	.	
1·24	630	919	77·6	60·9	·313	34	Calm	1·2	"	6	
1·29	·626	·914	77·6	60·4	·298	31	Calm	1·2	"	7	
1·34	·626	·914	77·2	60·7	·313	34	Calm	1·2	"	8	Daylight resembled that before evening, and sun's rays yellowish
1·39	·622	911	76·4	61·7	356	39	Calm	0	"	...	
1·44	·623	·913	75·6	61·7	·364	41	Calm	0	"	...	
1·49	·623	·913	75·3	61·1	·351	40	Calm	0	"	7	
1·54	·625	·915	75·1	60·7	·339	39	Calm	1·2	"	...	
1·59	·619	·909	74·8	61·9	·382	44	Calm	0	"	6	
2·4	·619	·909	75·4	62·4	·392	44	Calm	0	"	...	
2·9	·619	·909	75·5	62·0	·377	43	Calm	0	"	5	
2·14	·619	·908	76·2	62·6	·388	44	Calm	0	"	...	
2·19	617	·906	76·2	61·0	330	36	Calm	1·2	"	4	
2·24	·613	·901	76·9	61·9	·355	38	WNW	0	"	...	
2·29	617	905	77·4	61·1	·322	34	Calm	0	"	3	
2·34	·615	·903	77·4	61·2	·326	35	NNW	4·8	"	...	
2·39	·615	·903	77·5	61·5	·335	36	NW.	2·4	"	2	
2·44	·615	·903	77·6	60·8	·310	33	WNW	6·0	"	...	
2·49	·614	·902	78·2	61·1	·312	32	WNW	3·6	"	1	
2·54	·616	·904	78·3	61·5	·324	33	WNW	3·6	"	...	
2·59	·618	·906	78·6	61·4	·316	32	WNW	2·1	"	0	Eclipse terminated.
3·14	624	·912	78·2	61·6	328	34	WNW	3·2	"	...	
3·29	626	·914	...	...	...	...	...	...	...	...	

No. 64. Lat. 15° 9′ BELLARY. Long. 76° 57′ E.

Two hundred and thirty-eight miles from central line of totality. Greatest obscuration 8.

Hour.	Barometer.						Wind.				
Madras time.	Corrected and reduced to 32° F.	Reduced to sea-level and constant gravity.	Dry bulb corrected.	Wet bulb corrected.	Aqueous vapour pressure.	Relative humidity.	Direction	Amount since preceding interval, in miles per hour.	Cloud proportion.	Proportion of eclipse, totality 10.	Weather and other remarks.
A.M.	"	"	°	°	"	%					
10·0	28·570	30·005	77·7	61·9	·358	37	E	...	1	...	
10·15	·567	·002	77·3	61·3	·344	36	SE	1·2	1	...	Cirrus appeared in small amounts and disappeared at 10·30 A.M.
10·30	·563	29·994	78·5	61·1	·322	33	S	2·0	*Nil*	...	
10·45	·559	·990	78·5	60·9	·317	33	E	2·4	"	...	
11·0	·555	·982	80·1	60·9	·298	28	S	2·4	"	...	
11·15	·551	·976	80·7	61·9	·320	30	E	1·6	"	...	
11·30	·543	·970	79·7	61·3	·313	30	SE	1·2	"	...	
11·45	·539	·962	81·3	62·4	·328	30	Calm	1·2	"	1 at 11·48 A.M.	*Eclipse began from SW at 11·48 A.M., and progressed to NE.*
12·0	·531	·950	82·6	62·9	·328	30	S	1·6	"	2 at 0·10 P.M.	The sun appeared red and sky blue till 0·48 P.M., when it was dark as twilight.
P.M.											
0·15	·527	·950	81·1	60·9	·348	33	SE	0·8	"	3 at 0·20 "	
0·30	·521	·942	81·7	61·9	·308	28	SE	2·4	"	4 at 0·40 "	The neighbourhood of sun at the greatest obscuration was clear, but at a distance a little dark.
0·45	·511	·933	80·7	62·9	·352	33	Calm	0·8	"	6 at 0·54 "	
1·0	·499	·924	79·7	61·3	·313	30	Calm	0·8	"	7 at 1·13 "	
1·15	·495	·923	78·7	60·9	·314	32	Calm	0·8	"	8 at 1·24 "	
1·30	·489	·916	78·7	61·4	·330	33	Calm	0·4	"	6 at 1·35 "	Shadow began to decrease from 1·30 P.M.
1·45	·483	·908	79·3	61·6	·329	33	E	0·8	"	4 at 1·55 "	
2·0	·481	·902	80·7	62·9	·352	33	E	0·4	"	2 at 2·10 "	
2·15	·479	·898	81·7	63·3	·352	32	Calm	1·2	"	1 at 2·25 "	
2·30	·477	·896	81·7	62·7	·334	31	Calm	1·2	"	0 at 2·44 "	
2·45	·477	·896	81·7	62·3	·320	29	SE	0·4	"	...	Eclipse ended at 2·44 P.M.
3·0	·477	·893	82·6	63·1	·315	30	SE	1·2	"	...	
3·15	·475	·888	83·6	64·4	·367	32	SE	0·8	"	...	
3·30	·472	·886	83·4	64·9	·386	34	Calm	0·4	"	...	
3·45	·472	·887	83·0	63·7	·351	31	Calm	0·4	"	...	
4·0	·472	·888	82·5	63·3	·343	31	E	0·8	"	...	

No. 65. Lat. 21° 13′ N. SURAT. Long. 72° 46′ E.

Two hundred and forty-two miles from central line of totality. Greatest obscuration 8.

Hour. Madras time.	Barometer. Corrected and reduced to 32° F.	Barometer. Reduced to sea-level and constant gravity.	Dry bulb corrected.	Wet bulb corrected.	Aqueous vapour pressure.	Relative humidity.	Wind. Direction.	Wind. Amount since preceding interval, in miles per hour.	Cloud proportion.	Weather and other remarks.
A.M.	″	″	°	°	″	%				
10·0	30·024	30·006	79·7	59·5	·241	25	E	...	*Nil*	Fine clear weather.
10·15	·026	·008	81·6	59·9	·229	22	E	5·2	,,	Ditto.
10·30	·026	·008	83·1	60·9	·241	22	ESE	5·2	,,	Ditto.
10·45	·022	·004	84·6	61·5	·240	21	ESE	3·2	,,	Ditto.
11·0	·019	·001	84·8	61·5	·238	20	E	7·2	,,	Ditto.
11·15	·013	29·994	87·2	63·0	·253	20	E	3·6	,,	Ditto.
11·30	·011	·992	87·6	62·9	·246	19	NE	0·8	,,	Ditto.
11·45	·005	·986	88·2	64·5	·291	23	ENE	2·0	,,	Ditto.
11·55	29·998	·979	87·9	62·3	·222	17	...	...	,,	Ditto. Eclipse began at 11·51 A.M.
12·0	9·7	·978	88·4	63·0	·236	18	E	4·0	,,	Ditto.
P.M.										
0·5	30·000	·981	89·1	63·5	·246	18	...	...	,,	Ditto.
0·10	29·996	·977	88·5	64·5	·287	22	...	...	,,	Ditto.
0·15	·991	·972	89·5	63·9	·254	18	SE	2·4	,,	
0·20	·988	·969	89·8	63·5	·236	17	...	...	,,	
0·25	·988	·969	89·5	64·7	·281	19	...	...	,,	Ditto.
0·30	·982	·963	89·5	63·5	·240	18	ENE	1·2	,,	
0·35	·979	·960	89·0	63·2	236	18	...	...	,,	
0·40	·973	·954	88·9	63·5	·247	18	...	...	,,	
0·45	·971	·952	89·2	63·5	·244	18	E	1·6	,,	Calm weather.
0·50	·969	·950	88·8	63·0	·232	17	...	...	,,	
0·55	·970	·951	89·2	64·5	·278	21	...	...	,,	
1·0	·969	·950	88·5	64·5	·287	22	Calm	0·4	,,	Ditto.
1·5	·965	·946	88·3	61·5	·290	22	...	...	,,	
1·10	·963	·944	87·9	61·7	·301	23	...	...	,,	
1·15	·960	·941	86·6	61·8	·323	25	Calm	0	,,	Ditto.
1·20	·959	·940	85·6	65·0	·343	28	...	...	,,	
1·25	·957	·938	85·6	63·0	·343	28	...	...	,,	
1·30	·935	·936	84·6	65·5	·375	32	Calm	0·4	,,	Ditto.
1·35	·953	·934	84·4	65·8	·388	33	...	...	,,	Greatest obscuration was eight-tenths at 1·33 P.M.
1·40	·947	·928	84·4	66·5	·411	35	...	...	,,	
1·45	·945	·926	84·8	66·7	·414	35	Calm	0·4	,,	Dark weather.
1·50	·943	·924	85·2	66·5	·401	34	...	...	,,	
1·55	·943	·924	85·9	66·1	·378	30	...	...	,,	
2·0	·943	·924	85·9	68·8	·403	33	NNW	0·4	,,	Ditto.
2·5	·939	·920	85·3	67·9	·443	36	...	...	,,	
2·10	·936	·917	85·6	68·8	·479	39	...	...	,,	
2·15	·939	·920	86·1	69·8	·511	41	NW	0·8	,,	Ditto.
2·20	·941	·922	88·5	71·0	·525	39	...	...	,,	
2·25	·937	·918	87·2	70·5	·524	41	...	...	,,	
2·30	·937	·918	87·6	69·8	·490	37	NW	0·8	,,	Fine clear weather.
2·35	·933	·914	88·0	70·2	·513	38	...	...	,,	
2·40	·932	·913	88·1	71·0	·530	40	...	...	,,	Ditto.
2·45	·934	·915	88·7	71·7	·542	41	NNW	2·4	,,	Eclipse terminated. Duration of the eclipse was 2 hours and 45 minutes.
3·0	·932	·913	89·5	70·5	·491	36	WNW	2·8	,,	Ditto.
3·15	·934	·915	90·5	68·9	·418	29	WNW	1·6	,,	Ditto.
3·30	·932	·913	90·9	69·5	·433	30	N	2·8	,,	Ditto.
3·45	·932	·913	91·3	67·9	·368	25	N	3·2	,,	Ditto.
4·0	·932	·913	90·8	68·1	·384	27	NW	2·4	,,	

No. 66. Lat. 23° 16′N. BANKURA. Long. 87° 7′ E.

Two hundred and fifty seven miles from central line of totality. Greatest obscuration.

Hour.	Barometer.						Wind.				
Madras time.	Corrected and reduced to 32° F.	Reduced to sea-level and constant gravity.	Dry bulb corrected.	Wet bulb corrected.	Aqueous vapour pressure.	Relative humidity.	Direction.	Amount since preceding interval, in miles per hour.	Cloud proportion.	Proportion of eclipse, totality 10.	Weather and other remarks.
A.M.	″	″	°	°	″	%					
9-47	29·753	30·012	73·5	61·1	·374	45	Calm	...	*Nil*	...	Dusky and hazy atmosphere.
10·2	·745	·003	73·6	61·8	·397	47	Calm	2·0	"	...	"
10·17	·734	29·992	73·9	61·6	·386	45	Calm	0·2	"	...	"
10·32	·729	·986	75·9	63·0	·404	45	Calm	2·0	"	...	"
10·47	·724	·980	76·5	63·5	·413	45	Calm	0.6	"	...	"
11·2	·722	·978	76·9	63·5	·468	44	Calm	2·2	"	...	
11·17	·716	·972	77·3	63·5	·403	43	Calm	1·2	"	...	
11·32	·710	·966	77·5	63·1	·385	41	Calm	1·6	"	...	
11·47	·696	·952	77 8	63·3	·389	41	Calm	1·4	"	...	
P.M.											
0·2	·686	·940	78·7	63·8	·393	40	WSW	3·0	"	...	
0·17	·675	·929	78·6	63·1	·372	38	WSW	1·6	"	...	The eclipse commenced at 0·37 P.M. towards S. W.
0·32	·674	·927	78 9	63·1	·369	37	Calm	2 0	"	...	
0·42	·664	·916	79·9	63·4	·365	35	Calm	0·6	"	2·5	
0·52	·657	·909	79·9	63·0	·351	34	W	3·0	"	4	
1·2	·656	·908	79·6	63·4	·368	36	Calm	0	"	...	
1·12	·654	·907	78·5	64·0	·404	41	Calm	0·6	"	6	The haze of the atmosphere increased from 11·3 A.M. to 1·12 P.M.
1·22	·645	·898	78·5	63·0	·370	38	Calm	1·2	"	8	
1·32	·642	·896	77·9	63·3	·388	41	Calm	1 2	"	...	Sunshine somewhat brilliant.
1·42	·639	·893	76·9	63·3	·402	44	Calm	0	"	...	
1·52	·642	·897	76·1	63·1	·405	45	Calm	0	"	...	
2·2	·645	·899	76·9	63·5	·408	41	Calm	0·3	"	...	
2·12	·641	·895	77·9	64·0	·411	43	Calm	0·3	"	...	
2·22	·639	·892	78·4	64·5	·422	43	Calm	0·3	"	...	
2·32	·631	·884	78·9	63·2	·371	38	Calm	0·3	"	...	The eclipse finished just after 2·32 P.M.
2·47	·632	·884	79·7	64·0	·387	38	Calm	0	"	...	
3·2	·634	·886	79 9	64·3	·395	38	Calm	0·2	"	...	
3·17	·639	·891	80·4	64·2	·385	37	...	2·8	"	...	
3·32	·637	·889	79·9	64·2	·391	38	...	0·6	"	...	

No 6. Lat. 15° 50′ N. KURNOOL. Long 78° 6 E

Two hundred and fifty eight miles from central line of totality Greatest obscuration 8

Hour Madras time	Barometer Corrected and reduced to 32° F	Barometer Reduced to sea level and constant gravity	Dry bulb corrected	Wet bulb corrected	Aqueous vapour pressure	Relative humidity	Wind direction	Cloud proportion	Solar radiation thermometer corrected	Proportion of eclipse totality 10	Weather and other remarks
A M	"	"	°	°	"	%			°		
10·9	29 124	30 003	78·9	64 4	411	41	NE	*Nil*	125·1		
10·24	122	29·999	79 9	62 1	·323	32	E	"	126 4		
10·39	114	987	80 6	61 0	278	27	Calm	"	128 4		
10 54	113	986	80 4	61 1	284	27	SE	"	129·4		
11 9	108	977	82·0	62 6	309	28	SE	"	129 4		
11 24	108	977	82 4	62 3	296	26	S	"	130 4		
11·39	103	·972	82 0	62 2	298	26	S	"	130 4		
11 54	·099	965	84 0	63 5	313	27	S	"	128 8	...	At about 1 54 A M, eclipse commenced bra S 75° W The wind was strong for a fe minutes
12 0	095	·964	82 0	62 6	309	28	S	"	126·9		
P M											
0·5	090	956	84 0	63 7	321	27	Calm	"	126·4		
0 10	·090	956	84 0	63 4	·311	26	S	"	121 7	1 at 0 12 P M	
0·15	090	·957	83 7	63 7	·324	28	Calm	"	121 4		
0 20	·090	·958	83 0	63·0	·310	27	Calm	"	121 4	1 at 0·21 P M	
0·25	·086	954	82·4	62 8	313	28	Calm	"	117 4		
0 30	086	·953	83 2	63 3	316	27	SE	"	116 3	2 at 0 30 P M	
0·35	082	·947	84·0	63·6	·315	27	S	"	112 4		
0·40	·080	947	83 1	63 3	320	27	SW	"	110 4	2 at 0·39 P M	
0·45	080	947	83·0	62·8	304	27	S	"	106·2		
0·50	·076	944	82 0	63·2	331	31	SW	"	103 5	3 at 0·48 P M	
0·55	072	941	81 5	62 8	324	31	Calm	"	100·2	4 at 0·56 P M	Sky dark blue and the rays of the sun were distinctly visible on the S and SW of the sun Wind alm
1 0	070	938	82 5	63 8	344	31	SE	"	96 8		
1·5	067	935	81 8	63·5	344	32	Calm	"	96·4	5 at 1·4 P M	
1·10	063	·933	81·0	63·6	357	34	Calm	"	94 8	6 at 1 12 P M	
1 15	063	932	80·8	63 5	357	34	Calm	"	93 0		
1·20	·060	930	81 0	63 8	364	35	Calm	"	90 8	7 at 1·20 P M	
1·25	060	932	79 9	62·9	348	34	Calm	"	89·2		
1 30	060	933	79 9	63 7	·375	37	Calm	"	86·9	8 at 1 28 P M	
1·35	058	·932	79 3	63 7	384	38	Calm	"	89·0	8 at 1 36 P M	
1·40	057	·931	79 7	63 6	375	37	Calm	"	90·0		
1 45	057	·929	79·9	63 8	379	37	Calm	"	92 5	7 at 1·44 P M	
1 50	·055	924	81·0	64 3	381	36	Calm	"	96 8	6 at 1 52 P M	
1·55	·051	918	83 0	63 8	337	30	Calm	"	100·5		
2·0	048	914	82 0	63 4	338	31	Calm	"	103 6	5 at 2 P M	
2 5	·048	914	82·0	62 8	318	29	SE	"	108 4		
2 10	·048	·912	83 0	64 8	·371	33	SE	"	111·6	4 at 2 8 P M	
2 15	046	909	83·3	65 0	375	33	SE	"	114 4	3 at 2 16 P M	
2 20	042	906	83 2	63 8	333	29	SE	"	117 4		
2·25	046	·908	84·0	64 1	332	28	SE	*Nil*	120 4	2 at 2 25 P M	A few patches of cirro-cumul clouds forming in the south and south west above the horizon
2 30	·048	·912	83·0	63 6	329	29	SW	"	122 4		
2 35	048	·910	84 6	65·8	384	32	SE	"	124 8	1 at 2·34 P M	
2 40	047	910	84 0	61 8	358	31	SE	"	127 4		
2 45	047	908	84·3	64·9	349	29	SE	"	128 8		
2 50	044	·904	85·4	65 4	·359	29	Calm	"	128·8	"	At 2 52 P M, eclipse terminated towards N 30° E
3 15	045	906	84 8	65 0	355	29	SE	"	128·4		
3·30	047	907	85·3	65·0	348	28	SE	"	127 2		
3 45	047	908	83 8	63·8	313	26	SE	"	125 1		
4·0	·047	908	85 0	64 8	344	29	SE	"	123 6		

No. 68. Lat. 23° 14′ N. BURDWAN. Long. 87° 54′ E.

Two hundred and eighty-three miles from Central line of totality. Greatest obscuration 8.

Hour.	Barometer.						Wind.				
Madras time.	Corrected and reduced to 32° F.	Reduced to sea level and constant gravity.	Dry bulb corrected.	Wet bulb corrected.	Aqueous vapour pressure.	Relative Humidity.	Direction.	Amount since preceding interval, in miles per hour.	Cloud proportion.	Proportion of eclipse, totality 10.	Weather and other remarks.
A.M.	"	"	°	°	"	%					
9·29	29·969	30·018	73·0	61·4	·392	48	ENE	...	Nil	...	
9·44	·969	·018	74·0	63·3	·441	52	NE	2·8	"	...	
9·59	·963	·012	75·2	63·8	·441	50	NE	1·2	"	...	
10·14	·946	29·995	76·2	64·3	·444	49	NNE	1·2	"	...	
10·29	·930	·998	77·8	63·9	·409	43	NNE	0·4	"	...	
10·44	·945	·993	78·2	64·3	·417	43	NW	2·0	"	...	
10·59	·939	·987	78·8	64·4	·413	41	SSW	1·6	"	...	
11·14	·935	·983	79·1	63·9	·394	39	S	2·4	"	...	
11·29	·925	·973	80·1	64·3	·393	37	S	2·4	"	...	
11·44	·915	·963	81·0	64·8	·412	40	S	3·2	"	...	
11·59	·905	·953	80·6	64·8	·404	39	SW	2·4	"	...	
P.M.											
0·14	·899	·947	81·7	65·7	·420	39	WSW	2·4	"	...	
0·24	·895	·943	81·2	64·3	·327	35	SW	1·2	"	0·2	
0·29	·887	·935	81·6	63·8	·357	33	SW	3·6	"	0·5	Obscuration commenced from SSE. and extended towards NW. colour of the sky blue. The rays of the sun were so strong and piercing that it was not practicable to look at it with naked eye.
0·34	·887	·935	81·7	64·3	·371	34	WSW	3·6	"	1·0	
0·39	·883	·931	81·2	64·4	·382	33	N	1·2	"	1·5	
0·44	·883	·931	81·2	64·4	·382	33	N	2·4	"	2·0	
0·49	·881	·929	81·4	65·3	·410	38	N	1·2	"	3·3	
0·54	·875	·923	82·3	65·4	·401	36	W	2·4	"	3·5	
0·59	·873	·921	81·2	64·8	·395	37	Calm	0	"	4·0	
1·4	·873	·921	81·6	64·4	·376	34	WSW	3·6	"	4·2	
1·9	·871	·919	81·6	65·5	·415	39	W	4·8	"	4·5	
1·14	·870	·918	80·6	63·6	·362	35	WSW	1·2	"	5·0	Sky looked greyish.
1·19	·870	·918	80·2	63·5	·364	36	WSW	1·2	"	5·5	
1·24	·868	·916	80·2	63·8	·374	36	WSW	1·2	"	6·0	
1·29	·869	·917	79·8	65·3	·431	42	WSW	1·2	"	6·5	
1·34	·867	·915	80·1	65·5	·435	42	Calm	1·2	"	7·0	
1·39	·867	·915	78·6	64·5	·420	43	Calm	0	"	7·5	The colour of the sky turned yellowish.
1·44	·860	·908	78·6	64·9	·434	44	Calm	0	"	8·0	
1·49	·859	·908	77·2	65·4	·471	50	Calm	1·2	"	7·6	Sun began to clear from NW.
1·54	·871	·920	77·2	65·5	·473	51	Calm	0	"	7·2	
1·59	·873	·922	76·4	64·9	·463	51	Calm	0	"	7·0	
2·4	·872	·921	76·4	64·9	·463	51	Calm	0	"	6·4	
2·9	·876	·925	76·2	65·3	·479	53	Calm	0	"	5·6	
2·14	·867	·916	76·8	64·9	·456	49	Calm	0	"	4·8	
2·19	·868	·917	76·8	65·3	·472	51	Calm	0	"	4·0	
2·24	·865	·914	77·3	65·5	·473	51	Calm	0	"	3·2	
2·29	·859	·908	77·3	65·5	·473	51	Calm	0	"	2·4	Sky assumed its normal colour.
2·34	·859	·907	78·4	65·5	·457	47	Calm	0	"	1·6	
2·39	·858	·906	79·6	65·6	·444	44	WSW	1·2	"	1·2	
2·44	·856	·904	80·0	65·6	·439	43	WSW	1·2	"	0·8	
2·49	·856	·904	80·1	65·8	·445	43	WSW	1·2	"	0·4	
2·54	·853	·901	80·2	65·3	·426	41	Calm	0	"	0·3	
2·59	·851	·899	80·7	64·3	·384	36	SW	2·4	"	...	Eclipse terminated.
3·14	·847	·895	81·3	65·3	·411	38	W	1·6	"	...	
3·29	·859	·907	81·7	65·7	·420	39	WSW	1·6	"	...	

No, 69. Lat 27° 14′ N. MAINPURI Long. 79° 3′ E.

Two hundred and ninety-five miles from central line of totality. Greatest obscuration 8.

Hour Madras time.	Barometer Corrected and reduced to 32° F	Barometer Reduced to sea level and constant gravity	Dry bulb corrected	Wet bulb corrected	Aqueous vapour pressure	Relative humidity	Wind. Direction.	Wind. Amount since preceding interval, in miles per hour	Cloud proportion	Weather and other remarks
A M	″	″	°	°	″	%				
10-0	29·537	30·034	70 6	55 1	231	31	NNW		Nil	
10-15	541	037	71 5	55 6	·232	30	NNW	8 4	"	
10-30	534	029	72 5	56·0	231	29	WNW	8 8	"	
10 45	531	024	74 3	57 0	237	27	WNW	4 4	"	
11 15	525	015	75 5	57 8	246	27	WNW	10 4	"	
11-45	516	004	76 7	58 2	241	26	W	3·0		
12 0	512	29 999	76·9	58 4	245	26	W	6 4	"	
P M										
0-15	503	989	78 3	58 9	240	25	NNW	9 6	"	Fine clear weather
0-30	501	988	78 0	59·1	250	26	NNW	4 0	"	
0 45	498	985	78 0	59 0	248	26	W	6·8	"	
1-0	494	982	76·7	58 1	·239	26	N	7 6	"	
1-15	492	981	75 8	57 9	242	27	W	5 6	"	
1-30	482	974	74 7	57 6	250	30	W	6·0	"	
1 45	480	·973	73·7	58·0	·275	33	W	4·4	"	
2-0	474	966	74 0	58 8	296	36	W	2 4	"	
2 15	464	954	75 0	59 0	288	33	W	3 6	"	
2 30	459	947	76·0	59 1	277	31	W	4 4	"	
2-45	458	·945	76 6	59 3	276	30	W	5·6	"	
3-0	461	·948	76 5	59 0	268	29	W	7 6	"	
3 15	458	946	76 1	58 7	263	29	W	7·0	"	
3 30	466	953	76 3	59 5	287	32	W	6·8	"	
3 45	469	957	75·9	59·3	287	32	W	2 0	"	
4 0	469	958	75 7	59 0	279	31	WNW	7 2	"	

No. 70. Lat. 24° 27′ N. SIRAJGANJ. Long. 89° 47′ E.

Two hundred and ninety-five miles from central line of totality. Greatest obscuration 8.

Hour.	Barometer.		Dry bulb corrected.	Wet bulb corrected.	Aqueous vapour pressure.	Relative humidity.	Wind.		Cloud proportion.	Proportion of eclipse, totality 10.	Weather and other remarks.
Madras time.	Corrected and reduced to 32° F.	Reduced to sea-level and constant gravity.					Direction.	Amount since preceding interval, in miles per hour.			
A.M.	"	"	°	°	"	%					
9·21	30·008	30·008	67·4	61·5	·469	70	NNW	...	*Nil.*	...	Clear and bright.
9·36	·006	·006	68·4	61·5	·456	65	NNW	0·8	"	...	Ditto.
9·51	·005	·005	68·8	62·5	·483	69	W	0·8	"	...	Ditto.
10·6	·003	·003	69·4	63·3	·502	70	SW	0·4	"	...	Ditto.
10·21	29·986	29·986	69·8	62·9	·483	66	SW	0·4	"	...	Ditto.
10·36	·984	·984	70·6	62·5	·459	62	N	0·8	"	...	Ditto.
10·51	·980	·980	72·1	62·5	·439	56	NNW	0·4	"	...	Ditto.
11·6	·977	·977	72·4	61·7	·409	51	W	0·4	"	...	Ditto.
11·21	·961	·961	72·9	62·7	·435	53	NW	0·4	"	...	Ditto.
11·36	·953	·953	73·8	62·5	·416	50	Calm	0·8	"	...	Ditto.
11·51	·943	·943	74·6	63·0	·423	50	Calm	0·4	"	...	Ditto.
P.M.											
0·6	·937	·936	75·1	62·1	·386	44	Calm	2·8	"	...	Ditto.
0·21	·932	·931	75·3	61·1	·351	40	Calm	2·8	"	...	Ditto.
0·36	·932	·931	76·6	62·7	·385	42	Calm	0·8	"	1	Ditto.
0·41	·920	·919	76·6	62·7	·385	42	Calm	1·2	"	1	Ditto.
0·46	·920	·919	76·6	62·5	·379	41	SSW	1·2	"	2	Ditto.
0·51	·920	·919	76·6	62·5	·379	41	SSW	1·2	"	2	Ditto.
0·56	·920	·919	76·6	62·5	·379	41	NNW	10·8	"	2	Ditto.
1·1	·920	·919	76·6	62·5	·379	41	Calm	8·4	"	3	Ditto.
1·6	·914	·913	76·6	62·5	·379	41	Calm	0	"	3	Ditto.
1·11	·914	·913	76·6	62·7	·385	42	Calm	0	"	3	Ditto.
1·16	·913	·912	76·1	62·5	·386	43	Calm	0	"	4	Getting dark.
1·21	·911	·910	75·8	62·3	·383	43	W	3·6	"	5	Ditto.
1·26	·912	·911	75·6	62·0	·376	43	W	1·2	"	6	Ditto.
1·31	·910	·909	75·6	62·0	·376	43	Calm	1·2	"	6	Ditto.
1·36	·910	·909	75·1	62·3	·392	44	Calm	0	"	7	Ditto.
1·41	·909	·909	74·9	63·0	·418	48	Calm	0	"	7	Ditto.
1·46	·906	·906	74·6	62·5	·406	48	Calm	0	"	8	Rather dark.
1·51	·902	·902	74·4	63·3	·435	51	Calm	0	"	8	Ditto.
1·56	·902	·902	73·4	63·5	·455	55	Calm	0	"	7	Ditto.
2·1	·901	·901	73·1	63·5	·459	57	Calm	0	"	7	Getting bright.
2·6	·900	·900	72·8	63·5	·463	57	Calm	0	"	6	Ditto.
2·11	·899	·899	73·2	63·5	·457	56	Calm	0	"	5	Brighter.
2·16	·899	·899	73·4	63·5	·455	55	Calm	0	"	4	Ditto.
2·21	·899	·899	73·6	64·5	·487	58	Calm	0	"	3	Clear and bright.
2·26	·902	·902	74·1	63·5	·446	54	Calm	0	"	3	Ditto.
2·31	·902	·902	74·1	63·5	·446	54	Calm	0	"	2	Ditto.
2·36	·902	·902	74·6	64·1	·459	54	Calm	0	"	2	Ditto.
2·41	·902	·902	74·6	64·5	·474	55	Calm	0	"	1	Ditto.
2·46	·902	·902	74·8	63·3	·430	50	Calm	0	"	1	Ditto.
2·51	·902	·901	75·1	63·5	·433	50	Calm	0	"	1	Ditto.
2·56	·902	·901	75·1	63·5	·433	50	Calm	0	"	1	Ditto.
3·1	·902	·901	75·6	63·5	·426	48	Calm	0	"	...	Ditto.
3·6	·900	·899	75·1	61·5	·367	43	SW	4·8	"	...	Ditto.
3·21	·901	·900	75·1	62·5	·399	46	SW	0·4	"	...	Ditto.

No. 71. Lat. 22° 16′ N MIDNAPUR. Long 87° 22′ E.

Three hundred and four miles from central line of totality Greatest obscuration 8

Hour	Barometer								Weather and other remarks
Madras time	Corrected and reduced to 32° F	Reduced to sea level and constant gravity	Dry bulb corrected	Wet bulb corrected	Aqueous vapour pressure.	Relative humid'ty	Wind Direction	Cloud proportion	
A M	"	"	°	°	"	%			
9-31	29·916	30·016	73 6	61 8	397	47	N	*Nil*	Light airs and calms throughout day
9 46	916	015	75 6	62·8	402	45	N	,,	
10-1	·909	008	75·6	62 8	402	45	Calm	,,	
10-16	910	009	76 6	63 8	432	46	N	,,	
10-31	907	005	78 6	63 8	395	40	Calm	,,	
10 46	·903	·001	79 5	64 8	418	41	NW	,,	
11 1	896	29·994	79 5	64 8	418	41	Calm	,,	
11-16	890	·988	79 5	64 8	418	41	SE	,,	
11-31	880	·978	80 5	64 8	404	39	S	,,	
11-46	872	·970	81 5	64 8	391	36	SW	,,	
P M 0-1	866	964	81 5	64 8	·391	36	S	,,	
0 16	858	·956	81 5	64 8	391	36	S	,,	
0-31	856	954	81 5	64 8	391	36	S	,,	
0 36	854	952	81 5	64 8	391	36	S	,,	
0 41	850	948	80·5	63 8	370	36	SW	,,	
0 46	850	·948	80 5	63 8	370	36	S		
0 51	848	946	81 5	63 8	356	34	S	,,	Fine clear weather
0 56	848	·946	81 5	63 8	356	34	S	,,	
1-1	846	943	82 5	64 8	378	35	S	,,	
1 6	844	·941	82 5	64 8	378	35	S	,,	
1 11	844	·942	81 5	64 8	391	36	S	,,	
1 16	840	938	81 5	64 8	391	36	Calm	,,	
1 21	838	936	81 5	63 8	356	34	Calm	,,	
1-26	838	936	81 5	63 8	356	34	Calm	,,	
1 31	838	936	81 5	63 8	356	34	Calm	,,	
1 36	834	932	81 5	63 8	356	34	Calm	,,	
1 41	830	928	79 5	63·8	383	38	S	,,	
1 46	830	·928	79 5	63·8	383	38	S	,,	
1-51	828	926	79·5	63 8	383	38	S	,,	
1-56	828	926	79·5	63 8	383	38	S	,,	
2 1	828	926	79 5	63·8	383	38	S	,,	
2 6	828	926	79 5	63 8	383	38	S	,,	
2 11	826	924	80 5	63 8	370	36	S	,,	
2 16	826	·924	80 5	63 8	370	36	S	,,	
2 21	826	924	80·5	63 8	370	36	S	,,	
2 26	826	924	81 5	63 8	356	34	SE	,,	
2 31	826	9·4	81 5	63 8	356	34	S	,,	
2 36	824	922	81 5	63 8	356	34	S	,,	
2 41	824	922	81 5	63·8	356	34	Calm	,,	
2-46	824	·922	81 5	63 8	356	34	S	,,	
2 51	824	·92"	81 5	63·8	356	34	S	,,	
2 56	824	922	81 5	63 8	356	34	S	,,	
3 1	824	922	81 5	63 8	356	34	S	,,	
3-16	828	925	82 5	63 8	343	32	SW	,,	
3 31	8·0	9 17	82 5	63·8	343	32	Calm	,,	

No. 72. Lat. 24° 45′ N. MYMENSINGH. Long. 90° 27′ E.

Three hundred and seven miles from central line of totality. Greatest obscuration 8.

HOUR.	BAROMETER.									
Madras time.	Corrected and reduced to 32° F.	Reduced to sea-level and constant gravity.	Dry bulb corrected.	Wet bulb corrected.	Aqueous vapour pressure.	Relative humidity.	Wind Direction.	Cloud. kind and proportion.	Proportion of eclipse, totality 10.	WEATHER AND OTHER REMARKS.
A.M.	"	"	°	°	"	%				
9·19	30·008	30·020	67·8	61·8	·473	70	ENE	*Nil*	...	
9·29	·012	·024	68·6	62·3	·483	69	ENE	"	...	
9·39	·009	·021	69·1	62·3	·483	67	ENE	"	...	
9·49	·009	·021	69·6	62·4	·473	64	ENE	"	...	
9·59	·000	·012	70·1	62·6	·469	64	ENE	"	...	
10·9	·000	·012	71·1	62·8	·462	61	ENE	"	...	
10·19	29·996	·008	71·2	63·0	·468	61	ENE	"	...	
10·29	·990	·002	71·8	62·8	·473	58	ENE	"	...	Hazy, sky white with dust haze.
10·39	·988	·000	72·2	62·8	·467	56	ENE	"	...	
10·49	·981	29·993	72·2	62·9	·471	57	ENE	"	...	
10·59	·979	·991	73·2	63·3	·465	57	ENE	"		
11·9	·972	·984	73·0	63·8	·470	57	ENE	"	...	
11·19	·970	·982	73·7	64·2	·475	57	ENE	"	...	
11·29	·962	·974	73·9	64·3	·476	57	ENE	"	...	
11·39	·956	·968	74·0	64·2	·480	56	ENE	"	...	
11·49	·950	·962	74·4	64·3	·465	55	ENE	"	...	
11·59	·944	·955	75·1	64·8	·477	55	ENE	Cu., A. Cu.	...	Do. fine weather with passing clouds.
P.M.										
0·9	·940	·952	74·8	64·5	·475	55	ENE	Cu., A. Cu.	...	Do. fine weather with passing clouds.
0·19	·931	·942	75·0	63·8	·445	52	ENE	Cu., A. Cu.	...	Do. fine weather with passing clouds.
0·29	·931	·942	75·4	64·5	·463	53	Calm	Cu., A. Cu.	...	Eclipse commenced from W.N.W. Sky white or light blue.
0·34	·929	·940	76·3	63·8	·426	47	W	Cu., A. Cu.	1	Sky and clouds white or light blue. Hazy. Eclipse increasing.
0·39	·922	·933	76·3	63·6	·419	47	W	Cu., A. Cu.	1	Sky and clouds white or light blue. Hazy. Eclipse increasing.
0·44	·922	·933	76·3	63·6	·419	47	W	Cu., A. Cu.	2	Sky and clouds white or light blue. Hazy. Eclipse increasing.
0·49	·918	·929	75·8	63·8	·433	49	Calm	Cu., A. Cu.	2	Sky and clouds white or light blue. Hazy. Eclipse increasing.
0·54	·920	·931	76·0	63·8	·430	48	Calm	Cu., A. Cu.	3	Sky and clouds white or light blue. Hazy. Eclipse increasing.
0·59	·918	·929	76·0	62·8	·396	43	WNW	Cu., A. Cu.	3	Sky and clouds white or light blue. Hazy. Eclipse increasing.
1·4	·918	·929	75·8	62·9	·403	43	W	Cu., A. Cu.	4	Sky and cloud nearly white or light blue. Hazy.
1·9	·916	·927	76·1	63·0	·402	43	Calm	Cu., A. Cu.	4	Sky and cloud nearly white or light blue. Hazy.
1·14	·914	·925	76·2	62·1	·371	41	W	Cu., A. Cu.	5	Sky and cloud nearly white or light blue. Hazy.
1·19	·914	·925	75·9	62·5	·388	44	Calm	Cu., A. Cu.	5	Sky and cloud nearly white or light blue. Hazy.
1·24	·912	·923	75·8	62·6	·392	45	Calm	Cu., A. Cu.	6	Sky and cloud nearly white or light blue. Hazy.
1·29	·923	·926	75·4	62·9	·409	46	Calm	Cu., A. Cu.	6	Sky and cloud nearly white or light blue. Hazy.
1·34	·911	·922	75·3	62·8	·406	46	Calm	Cu., A. Cu.	7	Sky light blue. Clouds light blue and yellowish white
1·39	·909	·921	74·9	63·8	·446	52	Calm	A. Cu.	7	Sky light blue. Clouds light blue and yellowish white
1·44	·905	·917	74·1	63·8	·456	54	Calm	A. Cu.	8	Sky light blue. Clouds light blue and yellowish white
1·49	·901	·913	74·0	63·8	·457	54	Calm	A. Cu.	7	Sky light blue. Clouds light blue and yellowish white
1·54	·904	·916	73·3	64·8	·501	61	Calm	A. Cu.	7	Sky light blue. Clouds light blue and yellowish white
1·59	·900	·912	72·6	64·8	·510	64	Calm	*Nil*	6	Sky light blue, and hazy. No clouds visible.
2·4	·900	·912	72·5	64·3	·498	61	Calm	"	6	Sky light blue, and hazy. No clouds visible.
2·9	·906	·918	72·4	64·4	·499	63	Calm	"	5	Sky light blue, and hazy. No clouds visible.
2·14	·906	·918	72·8	65·3	·525	65	Calm	"	5	Sky light blue, and hazy. No clouds visible.
2·19	·900	·912	73·1	66·0	·546	67	Calm	"	4	Sky light blue, and hazy. No clouds visible.
2·24	·902	·914	73·7	66·0	·537	64	Calm	"	4	Sky light blue, and hazy. No clouds visible.
2·29	·900	·912	74·0	64·0	·464	55	Calm	"	3	Sky light blue, and hazy. No clouds visible.
2·34	·898	·910	74·5	63·6	·444	52	Calm	"	3	Sky light blue, and hazy. No clouds visible.
2·39	·898	·910	74·9	64·1	·462	53	Calm	"	2	Sky light blue, and hazy. No clouds visible.
2·44	·904	·915	75·0	63·8	·445	52	Calm	"	2	Sky light blue, and hazy. No clouds visible.
2·49	·897	·908	75·3	63·8	·440	50	Calm	"	1	Sky light blue, and hazy. No clouds visible.
2·54	·901	·912	75·3	62·8	·406	46	Calm	"	1	Sky light blue, and hazy. No clouds visible.
2·59	·897	·908	75·8	62·9	·403	45	Calm	"	...	Sky light blue, and hazy. No clouds visible.
3·4	·901	·912	76·0	62·8	·396	45	Calm	"	...	Eclipse terminated.
3·9	·897	·908	75·8	62·3	·383	43	Calm	"	...	Sky clear.
3·19	·901	·912	75·8	62·1	·376	42	Calm	"	...	Do.

No 73 Lat. 23° 23′ N. KRISHNAGHUR. Long. 88° 38′ E

Three hundred and eight miles from central line of totality Greatest obscuration 8

Hour	Barometer		Dry bulb corrected	Wet bulb corrected	Aqueous vapour pressure.	Relative humidity	Wind		Cloud proportion	Proportion of eclipse totality 10	Weather and other remarks.
Madras time	Corrected and reduced to 32° F	Reduced to sea level and constant gravity					Direction	Amount since preceding interval in miles per hour			
A M	"	°	°	°	"	%					
9-26	30·040	30 037	73 4	61 6	392	48	ESE	,	*Nil*		Bluesky
9 41	·033	030	73 5	61·9	401	49	ESE	4 8	,		Ditto.
9 56	026	022	74·6	62 3	399	46	E	4 4	,,		Ditto
10 11	018	014	75 7	63 3	416	46	SE	4 8	,		Ditto
10 26	012	008	76 8	64·0	426	46	SSE	4 0			Ditto
10 41	009	005	76 4	63 3	408	45	ENE	3 2	,,		Ditto.
10 56	002	29 998	77 6	64 0	416	44	WSW	4 8	,		Ditto
11 11	001	997	77 6	62 5	366	39	S	2 8	,		Ditto
11 26	29 993	989	77·9	63 0	377	39	SSW	3 2	,,		Ditto.
11 41	985	981	78 8	64 5	417	42	S	2 4	,		Ditto.
11 56	972	968	79 2	64·9	425	42	ENE	2 4	,		Ditto
P M											
0 11	958	954	79 8	64 2	393	38	NNW	4 8	,		Ditto
0 26	·951	·947	80·9	64 2	378	36	WNW	5 2	,,		Ditto
0·41	947	943	81·2	64·6	389	37			,	2	Ditto
0·46	945	·941	81·0	64 2	377	35			,	2	Ditto
0 51	943	939	80 7	63 8	366	35	WSW	4 1	,,	3	Ditto
1 6	931	927	79 8	63 9	381	37			,,	4	Ditto.
1 11	·931	·927	79 9	63 3	362	35			,	4	Ditto
1 16	·921	917	79·5	62 6	342	34	NNW	5 5	,	5	Ditto
1 31	·924	·920	78 7	63 0	367	36			,,	6	Ditto.
1·36	·926	922	78 8	62 8	359	37			,	7	Ditto
1·41	·925	·921	77 7	63 8	406	43	WNW	3 1	,	8	Ditto.
1·56	·925	·921	76 5	64 1	432	47			,	8	Ditto
2 1	922	918	75·3	64 3	457	52			,,	7	Ditto
2 6	921	·917	75·2	64 7	472	54	WSW	0·7	,	7	Ditto
2 21	920	·916	76·2	65 3	478	53			,	6	Ditto
2 26	·922	918	76 3	65 7	486	55				4	Ditto.
2 31	·920	916	78 5	65·9	470	48	NNW	1 0	,,	3	Ditto
2 46	·918	914	79·4	64·9	423	42			,	2	Ditto
2 51	919	·915	79·6	64 7	412	41			,,	1	Ditto
2 56	918	·914	80 5	64 3	388	37	NNW	2 4	,		Ditto
3 11	·919	·915	80·3	63 9	375	36	W	4 4	,,		Ditto
3·26	921	·917	80 4	64 3	389	37	WNW	4 8	,		Ditto

An unusual appearance of the sun or sky except that the sun's rays became milder

No. 74. Lat. 28° 21′N. BAREILLY. Long. 79° 27′E.

Three hundred and thirty-five miles from central line of totality. Greatest obscuration 8.

Hour.	Barometer.						Wind.				
Madras time.	Corrected and reduced to 32° F.	Reduced to sea-level and constant gravity.	Dry bulb corrected.	Wet bulb corrected.	Aqueous vapour pressure.	Relative humidity.	Direction.	Amount since preceding interval, in miles per hour.	Cloud proportion.	Proportion of eclipse, totality 10.	Weather and other remarks.
A.M.	"	"	°	°	"	%					
10·3	29·468	30·032	59·8	52·2	·292	57	NW	...	*Nil*		
10·10	·482	·047	60·1	52·8	·304	59	NW	1·7	"		
10·17	·476	·040	61·3	53·6	·310	57	NW	1·7	"		
10·24	·474	·037	60·8	53·2	·306	57	NW	1·7	"		
10·31	·467	·030	61·6	53·5	·305	56	NW	0·9	"		
10·38	·469	·030	62·6	54·2	·310	54	Calm	0	"		
10·45	·469	·031	62·8	54·6	·319	56	Calm	0·9	"		
10·52	·467	·029	62·8	54·5	·317	56	NW	0·9	"		
11·3	·465	·025	63·2	55·2	·331	57	Calm	0	"		
11·9	·459	·018	64·2	55·7	·332	55	NW	1·0	"		
11·15	·461	·020	64·2	55·6	·347	55	Calm	0	"		
11·21	·458	·016	64·8	56·2	·339	55	Calm	0	"		
11·27	·456	·013	65·8	57·0	·350	55	Calm	0	"		
11·33	·452	·010	65·4	56·4	·337	53	NW	1·0	"		
11·39	·448	·005	66·0	56·8	·342	54	NW	1·0	"		
11·45	·446	·002	66·8	57·8	·361	55	NW	0·5	"		
11·51	·446	·002	67·4	58·0	·358	54	Calm	0	"		
P.M.											
0·3	·440	29·996	67·4	57·9	·357	53	Calm	0	"		
0·9	·440	·995	67·6	58·0	·356	53	Calm	0	"		
0·15	·434	·987	68·8	58·7	·362	52	Calm	0	"	...	0·14 P.M. Eclipse commenced. Perfectly blue and cloudless sky. Perfect calmness.
0·21	·436	·989	68·8	58·7	·362	52	Calm	0	"		
0·27	·433	·986	69·0	58·2	·343	48	NW	0·5	"		
0·33	·424	·975	69·8	59·2	·363	49	NW	2·0	"		
0·39	·424	·976	69·3	58·8	·358	49	NW	1·0	"		
0·45	·424	·975	69·8	59·2	·363	49	NW	1·0	"		
0·51	·422	·974	68·8	58·2	·346	49	NW	1·0	"		
1·3	·416	·968	69·4	58·9	·359	49	Calm	0	"		
1·11	·414	·966	69·2	58·5	·350	48	NW	1·5	"		
1·19	·418	·970	68·8	58·2	·346	49	NW	0·8	"	8 at 1·20 P.M.	1·20 P.M. Sky assumed a dull leaden hue.
1·27	·416	·968	68·8	57·8	·334	47	NW	0·8	"		
1·35	·416	·969	68·2	58·2	·354	51	NW	0·4	"		
1·43	·408	·961	67·8	57·7	·345	51	Calm	0	"		1·39 P.M. Greatest darkness due to eclipse.
1·51	·404	·958	67·6	58·7	·377	56	Calm	0	"		
2·3	·396	·948	68·8	58·2	·346	49	Calm	0	"		
2·10	·396	·948	69·2	59·2	·364	52	Calm	0	"		
2·17	·394	·945	69·8	58·6	·345	48	NW	0·4	"		
2·24	·394	·945	70·2	58·2	·327	44	NW	0·9	"		
2·31	·396	·946	70·8	59·0	·344	45	NW	3·4	"		
2·38	·394	·944	70·8	59·0	·344	45	NW	1·7	"		
2·45	·394	·943	71·8	59·6	·349	45	NW	3·4	"		
2·52	·398	·946	72·6	59·0	·320	41	NW	3·4	"		
3·3	·393	·941	72·8	60·2	·356	44	NW	1·7	"		3 P.M. eclipse ended.
3·9	·391	·940	72·4	59·2	·329	42	NW	3·0	"		
3·15	·391	·939	72·8	60·0	·349	43	NW	3·0	"		
3·21	·391	·939	72·8	59·2	·324	41	NW	4·0	"		
3·27	·393	·942	73·3	59·6	·329	41	NW	3·0	"		
3·33	·395	·943	72·8	59·2	·324	41	NW	3·0	"		
3·39	·399	·946	73·2	59·2	·319	39	NW	4·0	"		
3·45	·401	·949	72·8	59·2	·324	41	NW	4·0	"		
3·51	·405	·952	73·3	59·2	·318	39	NW	4·0	"		

No. 75. Lat 21° 30′N. BALASORÉ. Long 86° 58′ E

Three hundred and thirty-eight miles from central line of totality. Greatest obscuration 8.

Hour	Barometer						Wind			
Madras time	Corrected and reduced to 32° F	Reduced to sea-level and constant gravity	Dry bulb corrected	Wet bulb corrected	Aqueous vapour pressure	Relative humidity	Direction	Amount since preceding interval, in miles per hour	Cloud proportion	Weather and other remarks
	″	″	°	°	″	%				
A M										
9 33	30·037	30·031	72·5	65·3	·530	66	Calm	,,	*Nil*	Fine clear weather during the whole day
9 48	·032	·026	74·0	66·2	·540	64	Calm	0	,,	
10 3	·021	·014	75·3	67·2	·559	64	Calm	0	,,	
10 18	·018	·011	76·4	67·2	·545	60	Calm	0	,,	
10 33	·014	·007	77·0	67·6	·550	59	Calm	0	,,	
10 48	·006	29·999	78·5	69·1	·583	60	Calm	0	,,	
11 3	29·999	·992	78·8	69·2	·586	60	Calm	0	,,	
11 18	·986	·979	79·5	69·2	·576	57	Calm	0	,,	
11·33	·984	·977	80·5	71·2	·640	61	Calm	0	,,	
11 48	·980	·973	81·3	70·2	·591	56	Calm	0	,,	
P M										
0· 3	·972	·965	81·5	70·2	·588	55	Calm	0	,,	
0 18	·963	·956	82·0	70·2	·581	53	NW	8·4	,,	Eclipse commenced at 0·18 P M
0 23	·963	·956	82·0	70·2	·581	53	NW	0	,,	
0·33	·955	·948	81·5	69·2	·550	51	Calm	0	,,	
0·38	·957	·950	82·1	69·2	·540	49	SSE	1·2	,,	
0 43	·948	·941	81·5	69·5	·561	52	Calm	0	,,	
0 48	·954	·947	82·3	69·2	·539	49	Calm	0	,,	
0·53	·957	·950	82·3	69·2	·539	49	Calm	0	,,	
0 58	·949	·942	82·4	70·2	·576	52	SSE	1·2	,,	
1· 3	·945	·939	82·3	69·2	·539	49	Calm	0	,,	
1· 8	·950	·943	82·1	69·2	·540	49	Calm	0	,,	
1·13	·948	·941	81·5	70·2	·588	55	Calm	0	,,	
1 18	·944	·937	81·3	71·2	·650	59	Calm	0	,,	
1 23	·946	·939	80·5	70·2	·601	57	Calm	0	,,	
1·28	·942	·935	79·4	68·9	·547	57	SSE	1·2	,,	
1·33	·942	·935	78·5	68·2	·553	57	SSE	1·2	,,	
1·38	·942	·935	77·5	69·2	·604	64	SSE	1·2	,,	
1·43	·940	·933	76·8	69·2	·613	67	SSE	1·2	,,	
1·48	·947	·940	76·2	69·0	·614	68	S	2·4	,,	
1 53	·933	·926	75·5	69·0	·623	71	S	2·4	,,	Sun obscured eight-tenths during the eclipse the colour of the sky was more blue than or luscy
1 58	·941	·934	75·5	68·2	·593	67	S	1·2	,,	
2· 3	·937	·930	75·5	68·2	·593	67	S	2·4	,,	
2· 8	·935	·928	75·4	69·0	·623	71	S	1·2	,,	
2·13	·935	·928	75·5	69·0	·623	71	S	2·4	,,	
2 18	·937	·930	75·5	69·2	·631	71	S	3·6	,,	
2 23	·929	·922	75·5	69·2	·631	71	S	3·6	,,	
2 28	·931	·924	76·5	69·6	·631	69	S	0	,,	
2·33	·929	·922	76·9	70·0	·641	69	S	2·4	,,	
2·38	·927	·920	77·5	70·2	·642	68	S	3·6	,,	
2·43	·931	·924	78·0	70·2	·635	66	S	8·4	,,	
2·48	·931	·924	78·0	70·2	·635	66	S	2·4	,,	
2 53	·926	·919	78·4	70·9	·657	68	S	6·0	,,	
2 58	·924	·917	79·2	71·2	·653	66	S	2·4	,,	Eclipse terminated at 3 P M
3· 3	·930	·923	79·3	71·2	·657	66	S	4·8	,,	
3·13	·932	·925	79·5	71·2	·654	65	S	3·6	,,	
3 23	·929	·922	80·0	71·2	·646	63	S	0·6	,,	
3·33	·939	·932	79·5	71·2	·654	65	S	2·4	,,	

No. 76. Lat. 26° 59′ N. SIBSAGAR. Long. 94° 40′ E.

Three hundred and thirty-eight miles from central line of totality. Greatest obscuration 8.

Hour. Madras time.	Barometer: Corrected and reduced to 32° F.	Barometer: Reduced to sea-level and constant gravity.	Dry bulb corrected.	Wet bulb corrected.	Aqueous vapour pressure.	Relative humidity.	Wind: Direction.	Wind: Amount since preceding interval, in miles per hour.	Cloud: Proportion.	Cloud: Kind.	Proportion of eclipse, totality 10.	Weather and other Remarks.
A. M.	"	"	°	°	"	%						
9- 2	29·757	30·06	61·7	58·4	·447	81	Calm	...	*Nil*	...	...	Clear weather.
9-17	·751	·057	62·4	59·5	·470	83	Calm	0·8	"	...	...	Fine clear weather.
9-32	·742	·047	63·9	60·3	·477	80	SSE	...	"	...	...	Ditto.
9-47	·737	·042	64·1	60·0	·465	78	SSE	0·8	"	...	...	Ditto.
10- 2	·731	·035	65·0	60·9	·485	78	SE	3·6	"	...	...	Ditto.
10-17	·722	·026	65·9	61·7	·495	78	Calm	0·8	"	...	...	Ditto.
10-32	·716	·019	66·8	62·0	·493	75	SE	0·4	"	...	...	Cu. clouds on the S E. horizon.
10-47	·704	·006	68·0	62·8	·503	73	SE	0·8	1	Cu.	...	Ditto ditto.
11- 2	·690	29·992	68·5	62·8	·497	71	SW	26·4	1	Cu.	...	Ditto ditto.
11-17	·680	·980	69·9	63·6	·505	69	SSW	2·4	1	Cu.	...	Cu. cloud increasing to the E. and S.
11-32	·671	·971	70·3	63·9	·509	68	SSW	4·0	1	Cu.	...	Cu. cloud increasing.
11-47	·665	·964	71·4	64·7	·523	68	SSW	4·0	2	Cu.	...	Ditto ditto.
P. M.												
0- 2	·659	·958	71·9	63·8	·486	62	SW	5·2	2	Cu.	...	Ditto ditto.
0-17	·653	·952	71·9	64·1	·496	63	SW	3·2	3	Cu.	...	
0-32	·640	·938	72·9	64·8	·507	63	SSW	3·6	3	Cu.	...	
0-47	·634	·931	72·7	63·9	·478	59	SSW	2·8	3	Cu.	...	Eclipse began from S.W.
1- 2	·630	·927	73·1	64·6	·497	61	SSW	2·8	3	Cu.	1·3	
1- 7	·628	·925	73·0	63·3	·453	56	WSW	...	3	Cu.	...	
1-12	·628	·925	72·9	63·2	·451	56	WSW	4·2	3	Cu.	...	Hazy appearance of the horizon.
1-17	·628	·925	72·8	63·1	·449	56	SW	3·6	3	Cu.	...	Weather getting cooler.
1-22	·628	·925	72·6	63·1	·452	56	Calm	1·2	3	Cu.	...	
1-27	·628	·925	72·3	62·9	·448	57	SW	2·4	*Nil*	...	...	
1-32	·628	·926	71·9	62·7	·448	57	SW	...	2	Cu.	...	Weather cool and hazy near the horizon.
1-37	·628	·926	71·7	62·8	·453	58	SW	3·0	2	Cu.	...	
1-42	·628	·926	71·2	62·6	·455	59	Calm	...	1	Cu.	...	
1-47	·628	·926	71·1	62·6	·456	60	SW	2·4	1	Cu.	8	Hazy appearance.
1-52	·628	·926	71·0	62·8	·463	61	Calm	1·2	*Nil*	...	...	
1-57	·628	·926	70·9	62·7	·461	61	Calm	...	"	...	...	
2- 2	·628	·927	70·0	62·8	·477	65	Calm	0	"	...	...	
2- 7	·628	·927	70·0	62·9	·481	66	Calm	0	"	...	...	Partial darkness; eclipse greatest.
2-12	·632	·931	69·8	62·7	·477	66	Calm	0	"	...	...	Eclipse began to decrease.
2-17	·634	·933	70·0	62·7	·475	65	Calm	1·2	"	...	...	
2-22	·630	·929	69·5	62·9	·487	68	Calm	0	"	...	...	
2-27	·630	·929	69·5	62·9	·487	68	Calm	1·2	"	...	...	
2-32	·628	·927	69·6	62·8	·483	67	Calm	1·2	"	...	...	
2-37	·628	·927	69·8	62·8	·480	66	Calm	0	"	...	...	
2-42	·628	·927	70·0	63·0	·484	66	Calm	0	"	...	...	
2-47	·632	·931	70·3	63·2	·487	66	Calm	0	"	...	...	
2-52	·632	·930	70·9	62·9	·468	62	Calm	0	"	...	...	
2-57	·634	·932	70·9	63·0	·470	62	Calm	0	"	...	...	
3- 2	·634	·933	70·3	63·8	·507	68	Calm	0	"	...	...	Complete disappearance of the eclipse.
3- 7	·635	·933	71·2	63·8	·493	64	Calm	0	"	...	...	
3-22	·633	·932	70·3	63·9	·509	68	Calm	0	1	A.S.	...	
3-37	·639	·938	69·9	63·2	·491	67	Calm	0	2	A.S.	...	

No 77. Lat. 23° 36′ N. FARIDPUR Long. 89° 52′ E

Three hundred and forty one miles from central line of totality Greatest obscuration 8

Hour. Madras time	Barometer: Corrected and reduced to 32° F	Barometer: Reduced to sea level and constant gravity	Dry bulb corrected	Wet bulb corrected	Aqueous vapour pressure	Relative humidity	Wind direction	Cloud proportion	Proportion of eclipse totality to.	Weather and other remarks
	"	"	°	°	"	%				
A M										
9 21	30 035	30 030	70 9	62 2	446	58	Calm	Nil		Light variable airs and calms throughout the day
9-36	031	026	72 9	63 7	468	58	Calm	,		
9 51	025	020	72 1	63 2	462	58	Calm	,		
10- 6	018	013	74·6	64 2	462	54	Calm	,,		
10 21	018	013	74 1	63·2	435	51	Calm			
10 36	012	006	75 1	64 2	456	52	Calm	,,		
10-51	000	29 994	76 1	63·2	408	45	Calm	,		
11 6	29·991	985	77 1	65 2	463	49	Calm	,,		
11 21	·987	981	76 9	64·2	432	47	Calm	,		
11-36	·983	977	77 9	64 7	436	46	Calm	,		
11 51	·976	970	77 6	64 2	422	44	Calm	,,		
P.M										
0 6	·971	965	77·9	65 2	433	47	Calm	,,		
0 21	·959	·953	78 1	66 2	485	50	Calm	,,		
0 36	·958	952	78 1	64 7	433	45	Calm	,		Eclipse commenced
0 41	·954	948	79 1	65 2	436	43	Calm	,,		
0 46	·952	946	79 1	66 2	471	47	Calm	,,		
0-51	948	942	78 6	65 2	443	45	Calm	,,	2	
0-56	948	942	78 1	64 7	433	45	Calm	,		
1 1	·948	·942	78 1	64·2	415	43	Calm	,,		
1- 6	·948	942	79·1	65 2	436	43	Calm	,,	3	
1 11	940	·934	78 1	64 2	415	43	Calm	,,		
1 16	·940	·934	78·1	64 2	415	43	Calm	,,		
1 21	·936	·930	78 1	63 7	398	41	Calm	,,	5	
1-26	938	932	77 6	63·2	388	41	Calm	,		
1 31	·938	932	77 1	63 2	·395	42	Calm	,,		
1 36	938	·932	77 1	63 2	395	42	Calm	,,	6	
1 41	·939	·933	77 1	63 2	395	42	Calm	,,		
1 46	·935	·929	76 1	63 7	425	47	Calm	,,	8	Weather cool and hazy Rays of the sun appeared yellow
1 51	937	931	76·1	63 7	425	47	Calm	,,	7	
1 56	937	·931	75 1	63 2	422	48	Calm	,		
2 1	934	·928	75 1	63·2	422	48	Calm	,		
2 6	935	930	74 1	64·2	469	55	Calm	,,		
2 11	932	927	74 1	64 2	469	55	Calm	,		
2 16	932	·927	74 1	65·2	503	59	Calm	,		
2-21	·932	·927	74 6	66·2	512	61	Calm	,		
2 26	·932	926	75·1	66·2	525	60	Calm	,		
2 31	930	924	75 1	65·2	490	56	Calm	,,		
2 36	929	923	76 1	65 2	477	53	Calm	,,		
2 41	929	923	76 6	65·2	470	51	Calm	,,		
2 46	929	923	77 1	65 2	463	49	Calm	,,		
2 51	·927	921	77·1	64 2	429	46	Calm			
2 56	926	920	77 1	64 7	446	48	Calm	,,		
3 1	·924	918	77 1	63 2	395	42	Calm	,,		
3 21	·931	·925	77 1	63 2	395	42	Calm	,,		Eclipse ended

No. 78. Lat. 22° 32′N. CALCUTTA (ALIPORE). Long 88° 20′E.

Three hundred and forty-one miles from central line of totality. Greatest obscuration 8.

Hour.	Barometer.						Wind.				
Madras time.	Corrected and reduced to 32° F.	Reduced to sea-level and constant gravity.	Dry bulb corrected.	Wet bulb corrected.	Aqueous vapour pressure.	Relative humidity	Direction.	Amount since preceding interval, in miles per hour.	Cloud proportion.	Proportion of eclipse, totality 10.	Weather and other remarks.
A.M.	"	"	°	°	"	%					
9·28	30·052	30·019	71·5	62·3	·440	57	SW	...	*Nil*	...	
9·43	·052	·019	72·0	61·6	·410	52	WSW	4·0	"	...	
9·58	·048	·015	72·5	63·3	·460	57	WSW	26·0	"	...	
10·13	·043	·010	73·6	63·9	·472	56	WSW	6·0	"	...	
10·28	·040	·007	74·1	63·5	·446	53	WSW	8·0	"	...	
10·43	·036	·003	75·1	64·3	·459	53	SW	5·6	"	...	
10·58	·032	29·999	75·5	64·3	·454	51	WSW	6·4	"	...	
11·13	·021	·988	77·1	64·6	·443	47	WSW	8·8	"	...	
11·28	·013	·980	77·5	65·3	·462	49	S	6·4	"	...	
11·43	·002	·969	77·1	65·3	·468	50	WSW	8·0	"	...	
11·58	29·996	·963	77·5	65·8	·480	50	SW	8·4	"	...	
P.M.											
0·13	·990	·957	78·5	65·8	·466	48	SW	8·0	"	...	
0·23	·981	·948	78·3	65·7	·466	48	WSW	6·6	"	...	
0·28	·979	·946	78·0	65·3	·455	48	SW	7·2	"	...	
0·33	·978	·945	78·3	65·5	·459	47	SW	6·0	"	1	Eclipse was seen to commence at 0·26 P.M. from SW.
0·38	·976	·943	78·8	65·8	·462	47	S	10·8	"	1	
0·43	·976	·943	78·6	65·3	·448	46	WSW	4·8	"	2	
0·48	·976	·943	78·8	66·0	·469	48	WSW	7·2	"	2	
0·53	·972	·939	78·7	65·4	·450	45	S	7·2	"	3	
0·58	·971	·938	78·4	65·4	·453	46	W	9·6	"	3	
1·3	·969	·936	78·4	65·6	·461	47	W	3·6	"	4	
1·8	·969	·936	78·2	66·0	·477	49	W	6·0	"	4	Sun dim.
1·13	·964	·931	78·1	65·1	·447	46	SW	8·4	"	4 or 5	Ditto.
1·18	·962	·929	77·8	65·0	·448	47	WSW	6·0	"	5	Ditto.
1·23	·960	·927	77·6	65·3	·461	48	W	8·4	"	5	Wind becoming cooler, sun dim.
1·28	·962	·929	77·5	65·3	·462	49	W	7·2	"	6	Ditto, sun growing dimmer.
1·33	·964	·931	77·5	65·0	·452	48	W	6·0	"	6	Ditto, Ditto.
1·38	·962	·929	77·3	65·2	·461	49	W	9·6	"	7	Ditto, Ditto.
1·43	·962	·929	77·1	65·1	·460	49	WSW	6·0	"	8	Ditto, Ditto.
1·48	·964	·931	76·5	65·0	·465	51	W SW	6·0	"	8 or 9	Ditto, Ditto.
1·53	·964	·931	76·0	65·0	·472	53	WSW	4·8	"	8	Ditto, Ditto.
1·58	·959	·926	75·7	65·5	·493	55	W	4·8	"	7	Eclipse between 1·48 P.M. and 1·53 P.M. greatest, sun becoming clearer. Wind cooler
2·3	·958	·925	75·8	65·8	·503	56	W	2·4	"	7	Sun becoming clear.
2·8	·956	·923	75·7	65·7	·500	56	W	6·0	"	6	Ditto. ditto.
2·13	·956	·923	75·6	65·5	·495	56	W	5·6	"	5	Ditto. ditto.
2·18	·956	·923	75·9	65·6	·494	55	W	3·6	"	4	Ditto. ditto.
2·23	·960	·927	76·2	65·8	·497	54	W	4·8	"	3	Ditto. ditto.
2·28	·958	·925	76·5	65·9	·498	55	W	6·0	"	3	Ditto. ditto.
2·33	·954	·921	77·2	65·5	·473	50	W	3·6	"	3	Ditto. ditto.
2·38	·954	·921	77·2	65·5	·473	50	SW	8·4	"	2	Ditto. ditto.
2·43	·954	·921	77·3	65·5	·472	50	SW	8·4	"	2	Ditto. ditto.
2·48	·958	·925	77·5	65·7	·476	50	SW	6·0	"	1	Ditto. ditto.
2·53	·958	·925	77·6	65·7	·474	49	SW	7·2	"	1	
2·58	·958	·925	77·7	66·1	·488	52	SW	4·8	"	1	
3·3	·958	·925	77·7	66·1	·488	52	SW	8·4	"	0	Eclipse appeared to end.
3·13	·958	·925	77·8	66·2	·490	52	SW	9·0	"	...	
3·28	·958	·925	78·2	66·3	·488	50	SW	6·4	"	...	

No 79 Lat 23° 9′ N JESSORE, Long 89° 13′ E.

Three hundred and forty five miles from central line of totality Greatest obscuration 8

Hour.	Barometer						Wind				
Madras time	Corrected and reduced to 32° F	Reduced to sea level and constant gravity	Dry-bulb corrected	Wet-bulb corrected	Aqueous vapour pressure	Relative humidity	Direction	Amount since preceding interval in miles per hour	Cloud proportion	Proportion of eclipse total'ty 10	Weather and other remarks
A M	"	"	°	°	"	%					
9 24	30·038	30·019	72 4	62 6	438	55	ESE		*Nil*		Clear
9·39	036	017	73 0	62 8	437	54	Calm	2 4	"		
9·54	033	014	74 4	63 7	448	53	SE	2 4	"		
10 9	030	010	75·4	63 8	439	50	Calm	2 0	"		
10·24	026	006	76 3	63 8	426	47	Calm	1·6	"		
10·39	022	002	76·4	63 6	418	46	Calm	1 6	"		
10 54	020	·000	76 9	64 4	439	47	Calm	1 6	"		
11·9	013	29 993	78 1	65 2	450	47	Calm	0 8			
11·24	004	984	78 3	64 6	427	44	NW	1 6	"		
11 39	29 998	978	78 4	64 4	418	43	Calm	2 0			Clear
11 54	·984	964	78 9	65 4	447	45	Calm	2 0	"		
P M											
0 9	976	956	78 5	64 4	417	43	Calm	2 4			
0·24	968	948	79 5	66 0	460	46	Calm	2 4	"		
0 29	969	949	79 5	65·6	445	44	Calm	1·2			Eclipse commenced between 0·24 P M. and 0·26 P M
0 34	965	945	79·5	65·4	438	43	Calm	2 4			
0·39	963	943	78 3	65·2	448	46	Calm	2 "			
0 44	961	941	79·5	65·2	431	42	NE	3 6			
0·49	·955	935	79 5	65 4	438	43	Calm	2 4	"		
0 54	953	933	79 5	65 6	445	44	SE	1 2	"		
0 59	952	932	79 5	64 6	411	40	Calm	1 2	"		
1 4	952	932	79 3	65 4	441	43	NW	2 4	"		
1 9	948	928	78 7	65 4	449	46	Calm	1·2	"		
1 14	948	928	78 9	64 7	422	42	SW	1 2			
1 19	949	929	78 6	64 2	409	41	SW	3·6	"		
1·24	945	·925	78 5	64 6	424	43	Calm	3 6	"		Gloomy appearance "sky looked a little reddish near the horizon to the east and north
1 29	943	923	77 8	64 6	434	45	Calm	1 2	"		
1 34	941	921	77 5	64 9	449	48	Calm	0	"		
1·39	942	922	77 0	64 7	448	48	Calm	2 4	"		
1 44	940	920	76 6	64 4	442	48	SW	2 4	"	8	
1 49	940	920	76 6	64 4	442	48	Calm	2 4			
1 54	·942	922	76 4	64 4	445	49	Calm	1 2			
1 59	946	926	75 6	65 2	483	54	Calm	0			
2 4	947	927	75 0	64 4	464	54	Calm	1·2	"		
2· 9	947	928	74 7	64 4	468	54	Calm	0			Getting clear
2 14	946	927	74 8	64 2	460	54	Calm	2·4	"		
2 19	·940	921	74 6	66·4	539	62	Calm	0	"		
2 24	940	921	74 8	66 4	537	61	Calm	0	"		
2 29	941	921	75 4	66 2	521	59	Calm	0	"		
2 34	942	922	75·4	66·2	521	59	Calm	0	"		
2 39	933	913	75 6	66·6	533	60	Calm	0	"		
2·44	940	·920	75 6	66 4	526	59	Calm	1 2	"		
2·49	936	916	76 4	64 4	445	49	SSW	2 4	"		
2 54	938	918	76 4	64 4	445	49	SSW	2 4	"		Clear
2 59	940	920	76 6	64 4	442	48	Calm	1 2			Eclipse terminated between 2 59 P M and 3 1 P M
3 4	940	·920	76 3	64 4	446	49	Calm	0	"		
3 19	939	919	76 3	64,3	443	49	Calm	1 2	"		
3·24	934	·914	76·2	64 6	456	50	Calm	0	"		

No. 80. Lat. 20° 54′ N. VERAVAL. Long. 70° 26′ E.

Three hundred and forty-five miles from central line of totality. Greatest obscuration 8 ·3.

Hour. Madras time.	Barometer. Corrected and reduced to 32° F.	Barometer. Reduced to sea-level and constant gravity.	Dry bulb corrected.	Wet bulb corrected.	Aqueous vapour pressure.	Relative humidity.	Wind. Direction.	Wind. Amount since preceding interval, in miles per hour.	Cloud proportion.	Proportion of eclipse, totality 10.	Weather and other remarks.
	"	"	°	°	"	%					
A.M.											
10·39	30·013	29·973	86·4	64·8	·326	26	ESE	...	*Nil*	...	Fine clear weather.
10·45	·015	·975	87·2	64·8	·315	24	ESE	8·0	,,	...	
11·0	·010	·970	85·8	66·9	·407	33	SE	7·2	,,	...	
11·15	·009	·969	88·0	65·1	·314	23	ESE	10·8	,,	...	Wind somewhat increased in force.
11·30	·003	·963	86·0	68·8	·474	39	ESE	8·8	,,	...	Sun's disc clear and complete.
11·35	·003	·963	85·6	69·2	·494	40	...	...	,,	...	Eclipse commenced about 11·36 A.M.
11·40	·001	·961	83·2	69·6	·542	48	...	...	,,	...	
11·45	·003	·963	82·0	70·3	·585	53	S	4·0	,,	2 from SSW	
11·50	·003	·963	82·0	71·8	·641	60	...	...	,,	...	
11·55	·003	·963	81·7	71·6	·641	60	...	...	,,	...	
12·0	·000	·960	81·4	70·8	·613	58	SSE	3·6	,,	4 from S	Proportion of sun's obscurity increasing very rapidly.
P.M.											
0·5	29·998	·958	81·7	70·3	·589	54	...	...	,,	...	
0·10	·996	·956	81·2	69·9	·581	55	...	...	,,	...	
0·15	·990	·950	80·0	69·8	·592	58	SSE	6·4	,,	5 from S	Very light rose tint to W.
0·20	·986	·946	79·6	69·8	·598	59	...	...	,,	...	Force of wind decreasing.
0·25	·982	·942	79·2	69·8	·604	60	...	...	,,	...	
0·30	·982	·942	79·0	69·8	·606	61	SSE	5·2	,,	6 from S	
0·35	·980	·940	79·0	69·8	·606	61	...	...	,,	...	
0·40	·978	·938	78·8	68·8	·571	58	...	...	,,	...	
0·45	·981	·941	78·4	68·8	·577	60	SSE	8·0	,,	8 from S	
0·50	·979	·939	78·0	68·8	·581	60	...	...	,,	...	
0·55	·977	·937	78·0	68·9	·586	61	...	...	,,	...	
1·0	·975	·935	77·8	69·0	·592	62	SSE	12·0	,,	8·3 from SSE	
1·5	·971	·931	77·6	68·8	·587	62	...	...	,,	...	
1·10	·969	·929	77·4	68·8	·590	63	...	...	,,	...	
1·15	·969	·929	77·2	68·7	·589	63	SSE	8·4	,,	8 from SE	
1·20	·965	·925	77·0	68·8	·595	64	...	...	,,	...	
1·25	·961	·921	77·0	68·8	·595	64	...	...	,,	...	
1·30	·955	·915	76·8	68·8	·598	65	SSE	11·2	,,	7 from ENE	Sunlight somewhat increasing.
1·35	·951	·911	76·8	69·0	·605	66	...	...	,,	...	
1·40	·954	·914	76·7	69·8	·636	69	...	...	,,	...	
1·45	·954	·914	76·9	69·8	·635	69	SSE	10·4	,,	6 from ENE	
1·50	·948	·908	77·0	69·8	·633	68	...	...	,,	...	
1·55	·946	·906	77·0	70·0	·641	69	...	...	,,	...	
2·0	·946	·906	77·2	69·8	·630	67	SSE	10·8	,,	4 from NE	
2·5	·944	·904	77·7	69·8	·623	65	...	...	,,	...	
2·10	·941	·901	77·8	69·4	·607	63	...	...	,,	...	
2·15	·941	·901	77·9	69·7	·617	64	SE	11·2	,,	3 from NNE	
2·20	·941	·901	78·0	69·6	·611	63	...	...	,,	...	
2·25	·939	·899	78·1	69·8	·618	64	...	...	,,	...	
2·30	·937	·897	78·2	69·6	·610	63	SE	12·4	,,	2 from N	
2·35	·933	·893	78·2	69·7	·614	63	...	...	,,	...	2·38 P.M. eclipse ended.
2·45	·935	·895	78·6	69·2	·589	60	SE	15·2	,,	...	Wind again increasing in force.
3·0	·937	·897	78·8	68·8	·571	58	SE	8·0	,,	...	
3·15	·937	·897	78·6	68·9	·578	60	SE	16·8	,,	...	
3·30	·939	·899	78·4	69·0	·584	60	SSE	9·6	,,	...	
3·45	·939	·899	78·2	68·4	·564	58	SE	14·0	,,	...	
4·0	·941	·901	78·1	68·8	·580	60	SE	16·4	,,	...	
4·15	·941	·904	78·0	68·6	·574	59	SE	9·2	,,	...	
4·30	·946	·906	77·8	68·8	·584	61	SE	11·6	,,	...	
4·39	·941	·904	77·8	68·6	·577	60	SE	9·3	,,	...	

No. 81. Lat. 20° 29′ N. CUTTACK. Long. 85° 54′ E.

Three hundred and fifty miles from central line of totality. Greatest obscuration 8.

Hour. Madras time.	Barometer. Corrected and reduced to 32° F.	Barometer. Reduced to sea-level and constant gravity.	Dry bulb corrected.	Wet bulb corrected.	Aqueous vapour pressure.	Relative humidity.	Wind. Direction.	Wind. Amount since preceding interval, in miles per hour.	Cloud proportion.	Proportion of eclipse, totality 10.	Weather and other remarks.
A.M.	″	″	°	°	″	%					
9-32	30·012	30·037	70·1	61·2	·429	57	SW	2·4	Nil.	...	
9-37	·013	·038	70·3	61·9	·449	59	SW	2·4	"	...	
9-42	·013	·038	71·0	61·9	·442	57	SW	2·4	"	...	Sky blue, but very light pink towards E. horizon.
9-47	·012	·037	71·3	62·1	·445	56	SW	2·4	"	...	
9-52	·010	·035	71·9	62·7	·457	57	SW	1·2	"	...	
9-57	·006	·031	72·3	62·5	·444	55	SW	3·6	"	...	
10-2	·006	·031	72·5	62·3	·434	54	SW	2·4	"	...	
10 7	·004	·029	72·9	62·5	·436	53	SW	2·4	"	...	
10-12	·003	·028	73·0	62·3	·430	51	WSW	2·4	"	...	
10-17	·003	·028	73·2	62·9	·446	54	Calm	0	"	...	
10-22	29·999	·024	74·0	63·0	·440	51	Calm	1·2	"	...	
10-27	·999	·024	74·1	62·7	·427	50	WSW	2·4	"	...	
10-32	·993	·018	74·3	62·9	·430	50	Calm	1·2	"	...	
10-37	·992	·016	75·0	63·1	·429	48	WSW	1·2	"	...	
10-42	·991	·015	75·2	63·1	·428	48	WSW	1·2	"	...	
10-47	·989	·013	75·5	63·8	·447	49	Calm	1·2	"	...	
10-52	·983	·007	76·2	63·8	·437	47	Calm	1·2	"	...	
10-57	·981	·005	76·1	63·7	·435	47	WSW	2·4	"	...	
11-2	·978	·002	76·6	63·1	·410	44	WSW	1·2	"	...	Sky blue, but light pink towards E. horizon.
11-7	·976	·000	77·1	63·9	·431	46	Calm	2·4	"	...	
11-12	·976	·000	77·3	64·3	·441	46	SSW	1·2	"	...	
11-17	·971	29·995	77·9	64·7	·447	45	WSW	2·4	"	...	
11-22	·971	·995	78·1	64·3	·431	43	WSW	1·2	"	...	
11-27	·971	·995	78·3	64·9	·447	45	Calm	1·2	"	...	
11-32	·967	·991	78·5	64·3	·427	43	NNE	1·2	"	...	
11-37	·965	·989	79·1	64·7	·431	42	WSW	1·2	"	...	
11-42	·965	·989	79·3	65·0	·437	42	Calm	1·2	"	...	
11-47	·965	·984	80·0	65·9	·462	44	Calm	0	"	...	
11 52	·963	·987	80·0	64·8	·425	40	W	1·2	"	...	
11-57	·957	·981	80·3	65·0	·429	40	N	1·2	"	...	
P.M.											
0·2	·955	·979	80·3	64·9	·413	40	NNW	1·2	"	...	
0·7	·951	·975	80·3	65·1	·431	40	Calm	1·2	"	...	Sky blue.
0·12	·947	·971	80·4	64·8	·419	40	N	2·4	"	...	
0·17	·945	·969	81·0	65·5	·436	40	N	1·2	"	...	First sign of eclipse—direction W. to E.
0 22	·945	·969	81·0	65·7	·441	41	N	2·4	"	...	
0·27	·941	·965	81·0	65·1	·421	38	WNW	1·2	"	...	
0·32	·941	·965	81·9	66·0	·441	39	W	0	"	1	Sky blue. Light dusty red along E. horizon.
0·37	·935	·959	81·5	65·1	·415	37	WSW	3·6	"	...	
0·42	·930	·954	81·7	65·9	·440	39	Calm	2·4	"	2	Do. do. do.
0·47	·931	·955	81·4	65·3	·424	38	NE	1·2	"	...	
0·52	·931	·955	81·4	64·8	·408	37	NNE	2·4	"	3	Do. Sun's disc orange obscured by black disc.
0·57	·925	·949	81·0	65·1	·421	38	NNE	2·4	"	...	
1·2	·923	·947	80·9	64·8	·414	38	NNE	3·6	"	4	Do. do.
1·7	·923	·947	81·0	65·0	·419	38	NNE	2·4	"	...	
1·12	·919	·943	81·0	65·1	·421	38	NNE	1·2	"	5	Do. do.
1·17	·915	·939	80·3	64·8	·420	40	NNE	3·6	"	...	
1·22	·913	·937	80·1	64·6	·416	40	Calm	0	"	6	Do. do.
1·27	·909	·933	80·1	64·5	·415	40	Calm	1·2	"	7	Do. do.
1·32	·910	·934	80·0	65·1	·433	41	Calm	1·2	"	8	Do. do.
1·37	·910	·934	79·8	64·9	·429	41	Calm	0	"	8	Do. do.
1·42	·906	·930	79·2	64·7	·431	42	Calm	0	"	8	Do. do.
1·47	·905	·929	79·0	65·0	·474	46	Calm	0	"	8	Do. do.
1·52	·909	·933	78·6	64·8	·441	44	Calm	0	"	7	Do. do.
1·57	·905	·929	78·3	65·9	·481	48	Calm	0	"	6	Do. do.
2·2	·905	·929	78·3	65·7	·476	48	Calm	0	"	5	Do. do.
2·7	·907	·931	78·3	66·0	·487	49	Calm	0	"	4	Do. do.
2·12	·907	·931	78·3	65·8	·479	48	Calm	0	"	3	
2·17	·905	·929	78·9	64·9	·441	43	Calm	0	"	2	Do. do.
2 22	·905	·929	79·7	64·9	·431	41	Calm	0	"	2	Do. do.
2·27	·905	·929	79·9	64·1	·402	37	NNE	1·2	"	1	
2·32	·905	·929	80·1	64·1	·400	37	NNE	1·2	"	1	
2·37	·904	·928	80·1	63·9	·393	37	NNE	2·4	"	0·9	
2·42	·903	·927	80·3	63·9	·389	36	NNE	1·2	"	0·6	
2·47	·899	·923	80·9	64·1	·390	35	NNE	1·2	"	0·4	
2·52	·899	·923	81·0	64·7	·408	37	Calm	1·2	"	0·2	
2·57	·899	·923	81·0	64·8	·412	37	NNE	1·2	"	0·1	
3·2	·898	·922	81·0	64·5	·403	37	Calm	2·4	"	...	Eclipse ceased.
3·7	·907	·931	81·2	65·7	·440	40	Calm	0	"	...	
3·12	·901	·925	81·4	65·6	·434	39	NNE	1·2	"	...	
3·17	·899	·923	81·4	65·6	·434	39	NNE	1·2	"	...	
3·22	·903	·927	81·4	64·9	·410	37	NNE	1·2	"	...	
3·27	·905	·929	81·2	64·9	·412	37	NNE	1·2	"	...	
3·32	·905	·929	81·1	64·9	·414	37	NNE	1·2	"	...	
3·37	·909	·933	81·8	65·5	·425	38	NNE	1·2	"	...	

No. 82. Lat. 14° 26′ N. CUDDAPAH. Long. 78° 51′ E.

Three hundred and sixty-three miles from central line of totality, Greatest obscurat 8.

Hour. Madras time.	Barometer. Corrected and reduced to 32° F.	Barometer. Reduced to sea-level and constant gravity.	Dry bulb corrected.	Wet bulb corrected.	Aqueous vapour pressure.	Relative humidity.	Wind direction.	Cloud. Proportion.	Cloud. Kind.	Cloud. Direction of motion.	Proportion of eclipse, totality 10.	Weather and other remarks.
A.M.	"	"	°	°	"	%						
10-6	29·618	29·998	78·6	68·9	·578	59	SE	Nil	...	...	...	
10-21	·618	·998	78·9	68·9	·574	58	SE	"	...	...	...	
10-36	·618	·997	79·2	68·8	·564	57	SE	"	...	...	...	
10-51	·607	·986	79·4	69·2	·578	58	SE	"	...	...	...	
11-6	·605	·983	79·8	69·8	·595	58	NE	"	...	...	...	
11-21	·601	·978	81·8	69·4	·552	50	NE	"	...	...	...	
11-36	·591	·963	84·0	69·0	·509	44	NE	"	...	...	...	
11-51	·583	·955	84·8	69·4	·512	42	NE	"	...	...	...	
11-54	·576	·948	85·3	69·8	·521	43	NE	"	...	...	...	Fine clear weather, light wind.
P.M.												
0-6	·571	·942	86·0	70·2	·527	42	NE	"	...	...	1	
0-11	·571	·942	...	...	...	...	NE	"	...	...	1	
0-16	·571	·942	86·5	70·1	·516	40	NE	"	...	...	1	
0-21	·569	·940	...	...	...	...	NE	"	...	...	2	
0-26	·567	·938	87·0	70·0	·506	39	NE	"	...	...	2	
0-31	·565	·936	...	...	...	...	NE	2	Ci.	NE to SW	3	
0-36	·5′3	·934	85·8	68 6	·469	38	NE	2	Ci.	NE to SW	3	
0-41	·559	·930	...	...	...	...	NE	2	Ci.	NE to SW	3	
0-46	·555	·926	85·5	68 8	·478	40	NE	2	Ci.	NE to SW	4	
0-51	·555	·926	...	...	...	...	NE	2	Ci.	NE to SW	4	Fine clear weather; light wind; sky blue; clouds dark.
0-56	·553	·925	84·8	69·0	·498	41	NE	2	Ci.	NE to SW	5	
1-1	·551	·923	...	...	...	...	NE	2	Ci.	NE to SW	5	
1-6	·549	·921	83·8	69·2	·519	45	NE	2	Ci.	NE to SW	5	
1-11	·549	·921	...	...	...	...	NE	2	Ci.	NE to SW	6	Fine clear weather; light wind; sky sea-blue.
1-16	·547	·920	83·4	69·1	·521	45	NE	2	Ci.	NE to SW	6	
1-21	·543	·916	83·2	69·0	·519	45	NE	2	Ci.	NE to SW	7	
1-23	·541	·915	82·8	69·0	·525	46	NE	2	Ci.	NE to SW	8	Fine clear weather; light wind; sun appeared light greyish; sky thick blue.
1-26	·541	·915	82·8	68·8	·517	46	NE	2	Ci.	NE to SW	7	Fine clear weather; light wind; sky sea-blue.
1-31	·541	·915	...	...	...	...	NE	2	Ci.	NE to SW	7	
1-36	·541	·915	82·0	68 8	·527	48	NE	4	Ci., A. Cu.	NE to SW	6	
1-41	·541	·915	...	...	...	...	NE	4	Ci., A. Cu.	NE to SW	5	
1-46	·535	·909	82·7	69·1	·530	·47	NE	4	Ci., A. Cu.	NE to SW	5	Fine clear weather; light wind; sky blue; clouds dark, cirrus clouds around the sun.
1-51	·531	·904	...	...	...	...	NE	4	Ci., A. Cu.	NE to SW	5	
1-56	·531	·904	83·3	69·2	·524	46	NE	4	Ci., A. Cu.	NE to SW	4	
2-1	·529	·902	...	...	...	...	NE	4	Ci., A. Cu.	NE to SW	4	
2-6	·525	·898	83·8	69·3	·523	45	NE	5	Ci.,Ci.S.,A. Cu.	NE to SW	3	
2-11	·525	·898	...	...	...	...	NE	5	Ci.,Ci.S.,A. Cu.	NE to SW	3	
2-16	·525	·897	84·2	69 6	·529	45	NE	5	Ci.,Ci S.,A.Cu.	NE to SW	3	
2-21	·525	·897	...	...	...	...	NE	5	Ci.,Ci.S.,A. Cu.	NE to SW	2	Fine weather with passing clouds; gentle wind.
2-26	·519	·891	84·5	69·8	·533	44	NE	5	Ci.,Ci.S.,A. Cu.	NE to SW	2	
2-31	·519	·891	...	...	...	...	NE	5	Ci.,Ci.S.,A. Cu.	NE to SW	1	
2-36	·519	·890	85·0	69·9	·530	44	NE	5	Cu. and A. Cu.	NE to SW	1	
2-41	·521	·892	...	...	...	...	NE	5	Cu. and A. Cu.	NE to SW	1	
2-45	·523	·895	84·8	69·8	·528	44	NE	7	Cu. and A. Cu.	NE to SW	...	Ditto; moderate wind.
2-46	·523	·895	...	...	...	...	NE	7	Cu. and A. Cu.	NE to SW	...	
2-51	·523	·896	83·9	69·9	·544	47	NE	10	Cu. and A. Cu.	NE to SW	...	Dark gloomy weather; over cast; moderate wind.
3-6	·523	·895	84·0	70·0	·547	47	NE	10	Cu. and A. Cu.	NE to SW	...	
3-21	·523	·895	84·6	70·2	·545	45	NE	6	Cu. and A. Cu.	NE to SW	...	
3-36	·525	·896	85·0	70·3	·545	44	NE	6	Cu. and A. Cu.	N E to SW	...	Fine weather with passing clouds; moderate wind.
3-51	·529	·901	84·8	70·1	·540	45	NE	5	Cu. and A. Cu.	NE to SW	...	
4-6	·531	·903	84·6	69·9	·536	44	NE	4	Cu. and A. Cu.	NE to SW	...	

No. 83. Lat 19° 20′ N. GOPALPUR, Long. 85° 0′ E

Three hundred and sixty-eight miles from central line of totality Greatest obscuration 8

Hour	Barometer		Dry bulb corrected	Wet bulb corrected	Aqueous vapour pressure	Relative humidity	Wind		Cloud proportion	Weather and other remarks
Madras time	Corrected and reduced to 32° F.	Reduced to sea level and constant gravity					Direction	Amount since preceding interval, in miles per hour		
A.M	″	″	°	°	″	%				
9 41	30 068	30·029	75·5	65·9	510	57	N		*Nil*	
9 56	068	·029	76·0	66·2	514	57	NNE	6 0	,,	
10-11	066	027	76·5	66 9	533	59	WNW	6 4	,,	
10 26	064	025	77 3	67 2	533	57	NNW	5·2	,,	
10-41	061	022	77 3	66 6	510	55	SSE	4 4	,,	
10 56	055	016	78·0	66·9	513	54	SSE	2 0	,,	
11 11	053	014	79 0	67·6	523	53	SSE	5 2	,,	
11-26	039	000	78 5	67 9	542	56	SSE	6 0	,,	
11-41	032	29 993	79 3	68 4	548	54	SSE	5·6	,,	
11 56	022	·983	79 5	68 4	547	54	SE	7 2	,,	
P M										
0 6	020	981	79 7	68 9	563	56	SE	1 8	,,	Eclipse commenced from west
0 11	010	971	79 3	68 2	543	54	SE	6 0	,,	
0-16	009	·970	79 7	68·6	532	55	SE	6 0	,,	
0-21	008	969	80·0	68 6	546	53	SSE	12 0	,,	Unusual haze between the sea and the hills. A very sh light during the eclipse made the scene y appear blish (similar to the colour of platinotype photo) Sea breeze d not come in as usual Colour of the sky gradually change from ash to bluish
0-26	007	968	79 7	68 6	552	55	SE	7 2	,,	
0-31	005	966	80·0	68 4	541	53	SE	3·6	,,	
0 36	29 999	960	79 5	68·6	553	55	SE	6 0	,,	
0 41	997	958	79 5	69 2	577	57	SE	1 2	,,	
0 46	989	950	79 0	68·9	573	58	SE	10·8	,,	The unobscured portion of the sun appeared just like a diamond in sunshine
0 51	·987	948	79 0	69·4	592	60	SE	7 2	,,	
0 56	·986	947	78 0	68 4	568	59	SE	6·0	,,	Weather moist and muggy
1 1	985	·946	78 0	68 4	568	59	SE	6·0	,,	
1 6	·983	944	78 5	68 9	580	60	SE	6 0	,,	
1 11	981	942	78 0	68 4	568	59	SE	7 2	,,	
1 16	975	936	77 7	68 4	571	60	SE	1 8	,,	
1-21	973	·934	77 3	68 2	570	61	SE	10 8	,,	
1 26	973	·934	76 5	67 4	551	60	SSE	7 2	,,	
1 31	·972	933	76 5	67 4	551	60	SSE	6 0	,,	
1 36	971	·932	76 3	67 4	552	61	SSE	10 8	,,	
1 41	970	931	76 3	67 4	552	61	SSE	7 2	,,	
1 46	968	9·9	76·0	67 4	557	62	SSE	4 8	,,	
1 51	966	927	76·3	67 4	552	60	SSE	12 0	,,	
1 56	·964	925	76 3	67 4	552	60	SSE	7 2	,,	
2-1	962	923	76 3	67 4	552	60	SSE	6·0	,,	
2 6	961	925	77 0	67 2	537	58	SSE	10·8	,,	
2-11	958	929	77·0	67 2	537	58	SSE	6 0	,,	
2 16	969	930	77 0	67 4	545	59	SSE	7·2	,,	
2 21	·969	930	77 0	67 2	537	58	SSE	6 0		
2 26	·969	·930	77 5	67 4	537	57	SSE	6 0	,,	
2 31	969	·930	78 0	67 6	536	56	SSE	6·0	,,	
2 36	970	931	78·0	67 2	523	54	SSE	6 0	,,	
2 41	970	931	78 3	67 4	526	54	SSE	16 8	,,	
2 46	970	·931	78 5	67 6	531	54	SSE	2 4	,,	
2 51	970	·931	79 0	67·9	536	54	SSE	4 8	,,	
2-56	970	931	78 7	67·6	529	54	SE	4 8	,,	Eclipse ended.
3 11	971	932	78 7	67 9	539	55	SSE	8 0	,,	
3 26	·980	941	78 7	68 2	550	56	SSE	6 4	,,	
3 41	984	945	78 5	67·9	542	56	SSE	4 0	,,	

No. 84. Lat. 16° 9′ N. MASULIPATAM. Long. 81° 12′ E.

Three hundred and seventy miles from central line of totality. Greatest obscuration 8.

Hour.	Barometer.						Wind.		Cloud.			
Madras time.	Corrected and reduced to 32° F.	Reduced to sea-level and constant gravity.	Dry bulb corrected.	Wet bulb corrected.	Aqueous vapour pressure.	Relative humidity.	Direction.	Amount since preceding interval, in miles per hour.	Proportion.	Kind.	Proportion of eclipse, totality 10.	Weather and other remarks.
A.M.	″	″	°	°	°	%						
8·56	30·073	30·022	75·1	69·8	·659	75	NNE	...	1	Ci.	...	Fine with very little cirrus cloud in SSE.
9·11	·074	·023	76·2	70·4	·667	74	ENE	2·4	1	Ci.	...	
9·26	·070	·025	77·4	71·5	·704	74	ENE	3·7	1	Ci.	...	
9·41	·069	·018	78·8	72·5	·715	73	ESE	4·4	2	Ci.	...	
9·56	·068	·017	79·9	72·3	·695	68	ESE	5·6	3	Ci. Ci. S.	...	
10·11	·066	·015	81·1	72·8	·696	65	SE	6·8	3	Ci. Ci. S.	...	
10·26	·065	·014	81·2	73·0	·702	60	ESE	9·2	3	Ci.	...	
10·41	·063	·012	81·7	73·2	·704	65	ESE	5·2	3	Ci.	...	
10·56	·061	·010	81·8	72·3	·660	61	SE	9·6	1	Ci.	...	
11·11	·059	·008	82·0	72·4	·658	61	ESE	5·8	1	Ci.	...	Very insignificant cirrus clouds.
11·26	·055	·004	82·1	72·2	·658	60	ESE	8·8	1	Ci.	...	
11·41	·044	29·993	82·3	72·4	·661	60	ESE	9·2	1	Ci.	...	The first beginning of the contact was slightly observable, but not clear.
11·56	·038	·987	82·4	72·7	·674	61	ESE	8·0	1	Ci.	...	
P.M.												
0·6	·036	·985	82·4	73·2	·681	60	...	...	...	...	...	Eclipse observable as the sunlight becoming affected.
0·11	·039	·985	82·8	72·4	·657	58	...	...	...	...	...	
0·16	·034	·983	83·6	72·8	·663	57	...	...	...	...	...	Sunlight becoming dim.
0·21	·025	·977	82·6	72·5	·674	60	...	...	...	...	...	
0·26	·026	·975	82·4	72·8	·679	61	ESE	10·4	1	Ci	...	Slight cirrus clouds near horizon in W and WNW.
0·31	·022	·975	82·4	73·0	·686	61	...	...	...	...	...	
0·36	·022	·973	82·3	71·3	·700	63	...	...	...	...	2	Sunlight gradually losing power.
0·41	·022	·971	81·5	72·8	·691	63	...	...	...	...	...	Sunlight fading considerably.
0·46	·020	·969	81·4	71·5	·712	67	...	...	...	...	...	
0·51	·016	·965	81·5	73·3	·710	66	...	...	...	...	...	Sun's disc visible safely to the naked eye.
0·56	·012	·961	81·8	73·3	·707	65	SE	11·4	1	Ci.	4	
1·1	·009	·958	82·7	73·2	·718	68	...	...	...	...	...	Sunlight even less strong than moonlight.
1·6	·010	·957	82·6	72·8	·703	67	...	...	...	...	...	
1·11	·005	·957	80·1	73·3	·720	71	...	...	...	...	...	
1·16	·005	·952	79·6	73·1	·720	72	...	...	...	...	6	
1·21	·003	·952	79·5	73·0	·726	72	...	...	...	...	...	
1·26	·001	·950	78·8	72·6	·719	73	ESE	10·6	1	Ci.	8	Maximum obscuration eight-tenths, the surrounding objects looking partly dark.
1·31	29·995	·955	78·4	73·7	·728	75	...	...	...	...	...	
1·36	·995	·944	78·2	72·4	·719	74	...	...	...	...	...	Sun commenced to recover.
1·41	·993	·942	77·8	72·5	·729	76	...	...	...	...	...	
1·46	·993	·942	77·7	72·4	·728	76	...	...	...	...	6	
1·51	·991	·940	...	...	...	...	...	...	...	...	...	
1·56	·991	·940	77·8	72·8	·741	77	SE	8·8	1	Ci.	3	
2·1	·989	·938	...	...	...	...	...	...	...	...	...	
2·6	·987	·936	...	...	...	...	...	...	...	...	...	
2·11	·984	·933	79·3	73·6	·753	75	...	...	...	...	...	
2·16	·984	·933	...	...	...	...	...	...	...	...	2	
2·21	·982	·931	...	...	...	...	...	...	...	...	...	
2·26	·981	·930	80·2	74·0	·757	73	...	...	...	...	1	
2·31	·981	·930	...	...	...	...	...	...	...	...	...	
2·36	·981	·930	...	...	...	...	...	...	...	...	...	
2·41	·979	·928	81·0	74·2	·754	71	...	...	...	...	0·5	
2·46	·979	·928	...	...	...	...	...	...	...	...	...	
2·51	·979	·928	...	...	...	...	...	...	...	...	...	
2·56	·978	·927	81·8	75·3	·791	73	ESE	7·8	...	...	0	Complete recovery of sun.
3·11	·987	·936	...	...	...	...	...	...	...	...	...	
3·26	·990	·939	81·7	75·6	·805	74	ESE	7·6	...	...	...	
3·41	·993	·943	81·4	75·5	·805	74	SE	8·0	...	...	...	
3·56	·994	·940	80·3	75·1	·719	69	...	...	...	...	...	

No 85 Lat 23° 43'N. NARAYANGANJ Long 90° 27'E

Three hundred and seventy three miles from central line of totality Greatest obscuration 8

Hour	Barometer		Dry bulb corrected	Wet bulb corrected	Aqueous vapour pressure	Relative humidity	Wind		Cloud proportion	Proportion of eclipse total ity to	Weather and other remarks.
Madras time	Corrected and reduced to 32°F	Reduced to sea level and constant gravity					Direction	Amount exceeding interval in miles per hour			
	"	"	°	°	"	%					
A M											
9-19	30 045	30 019	72 3	65 8	550	69	SSW		Nil		9-9 A M to 0-19 P M About half of sky parallel to horizon obscured by dust haze.
9 34	·041	015	73 5	63 5	454	55	SSE	10·4	"		
9 49	039	013	73 5	62 0	404	49	SSE	3 6	"		
10 4	033	007	74 3	62 0	393	46	SSE	2 4	"		
10-19	033	007	74 5	62 0	390	45	SSE	3·6	"		
10 34	022	29·996	75 2	63 7	438	50	SE	2 0	"		
10 49	018	992	76·5	64 4	444	49	WSW	1·6	"		
11 4	·012	·986	76 9	64 3	436	47	SW	2 0			
11 19	006	·980	76·9	64 4	439	47	SW	4 0	"		
11 34	009	983	77 5	65 0	452	48	SW	4 4	1		11-34 A M to 0-19 P M Few scattered cumulus clouds; sky blue with haze all round horizon
11 49	29 993	·967	77 5	65·0	452	48	SW	4 8	1		
P M											
0-4	·985	959	77 4	64 3	429	46	W	4 0	1		
0-19	981	955	78·3	63 6	394	40	W	4·4	1		
0 29	·975	949	78 4	64 0	404	41	W	2 4	1	1	First contact from S W
0-34	973	·947	78 4	64 4	418	43	W	3 6	1	1	0-34 P M to 1-29 P M blue sky with haze all round horizon and cumulus clouds.
0-39	973	947	78 0	64·2	417	43	WNW	7·2	1	1	
0-44	971	945	78 1	64 4	422	44	WSW	7·2	1	2	
0 49	969	·943	78 3	63·9	402	41	WSW	7·2	1	2	
0 54	967	941	78 1	64 0	410	43	W	3 6	1	3	
0-59	967	941	77 9	64 5	428	45	WNW	2 4	1	3	
1 4	965	·939	78 3	64 0	406	42	WSW	3 4	1	4	
1-9	965	939	78 0	63 4	391	41	WSW	6·0	1	4	
1 14	·963	·937	77·9	63 5	394	41	WSW	4 8	1	5	
1 19	961	935	77 7	62 1	351	37	WSW	4·8	1	5	
1-24	956	·930	77·6	62·2	354	37	WSW	3 6	1	6	
1 29	·954	928	77 3	63 0	386	41	WSW	4 8	1	6	
1 34	952	926	76·7	62 6	381	42	WSW	6·0	Nil	7	1 34 P M to 1-59 P M Blue sky with haze round horizon
1 39	·950	·924	76·6	62·5	380	42	W	4 8	"	7	
1 44	948	922	76 4	62·7	388	43	W	4 8		8	
1 49	946	920	75 8	62 8	399	45	WSW	4 8	"	8	
1 54	946	920	75 4	63 0	410	46	W	2 4	"	7	
1 59	946	·920	74 9	63 3	429	50	W	3 6	"	7	
2 4	946	·920	74·9	62 7	408	47	SW	3 6		6	
2-9	949	·923	74 7	63 1	425	50	SW	2 4		6	
2 14	947	·921	74 8	63 6	441	51	WSW	2 4	"	5	
2 19	947	921	74 8	63 8	447	52	WSW	2 4	"	5	
2 24	947	921	75 3	63 7	437	50	WSW	3 6		4	
2 29	·947	921	75 5	64 0	444	50	WSW	4 8	"	4	
2·34	·945	919	75 6	64 2	448	50	WSW	10 8	"	3	
2 39	·945	·919	76 1	64 4	449	49	WSW	12 0	"	3	
2 44	·945	·919	76·2	64 3	443	49	WSW	10·8	"	2	
2 49	943	917	76 5	64 5	448	49	WSW	3 6		2	
2 54	943	917	76·6	64 5	447	49	SW	3·6	"	1	
2 59	·943	·917	77·0	63 7	414	45	WSW	3 6		1	
3 4	·945	·919	77 0	63·4	404	44	SW	2 4	"	1	Last contact Blue sky Misty horizon
3 19	·949	923	77 1	63 8	416	44	W	3·6	"		Ditto Ditto.

No. 86. Lat. 21° 39′N. SAUGOR ISLAND. Long. 88° 5′ E.

Three hundred and seventy eight miles from central line of totality. Greatest obscuration 8.

Hour.	Barometer.						Wind.		Cloud.			Weather and other remarks.
Madras time.	Corrected and reduced to 32° F.	Reduced to sea-level and constant gravity.	Dry bulb corrected.	Wet bulb corrected.	Aqueous vapour pressure.	Relative humidity.	Direction.	Amount since preceding interval, in miles per hour.	Kind.	Direction of motion.	Proportion of eclipse, totality 10.	
A.M.	"	"	°	°	"	%						
9·29	30·051	30·021	71·3	68·2	·650	85	NNW	..	Cu.	SSE to NNW	...	Hazy weather with a small patch of cumulus cloud over horizon to the south-east.
9·34	·051	·021	71·6	68·2	·645	83	W	2·4	Cu.	SSE to NNW	...	Ditto ditto.
9·39	·050	·020	71·6	68·2	·645	83	WSW	2·4	Cu.	SSE to NNW	...	Ditto ditto.
9·44	·048	·018	71·6	68·2	·645	83	WSW	2·4	Cu.	SSE to NNW	...	Ditto ditto.
9·49	·048	·018	71·6	68·2	·645	83	WSW	3·6	Cu.	SSE to NNW	...	Ditto ditto.
9·54	·046	·016	72·2	68·2	·638	81	WSW	4·8	Cu.	SSE to NNW	...	Ditto ditto.
9·59	·046	·016	72·2	68·2	·638	81	WSW	2·4	Cu.	SE to NW	...	Ditto ditto.
10·4	·046	·016	72·4	68·2	·635	80	WSW	2·4	Cu.	SE to NW	...	Ditto ditto.
10·9	·043	·013	73·0	68·2	·627	77	WSW	4·8	Cu.	SE to NW	...	Ditto ditto.
10·14	·041	·011	73·0	68·2	·627	77	WSW	3·6	Cu.	SE to NW	...	Ditto ditto.
10·19	·040	·010	73·0	68·2	·627	77	SW	2·4	Cu.	SE to NW	...	Ditto ditto.
10·24	·039	·009	73·2	68·2	·624	76	SW	3·6	Cu.	SE to NW	...	Ditto ditto.
10·29	·037	·007	73·2	68·2	·624	76	SW	3·6	Cu.	ESE to WNW	...	Ditto ditto.
10·34	·036	·006	73·2	68·2	·624	76	SW	6·0	Fr. Cu. & Cu.	NNW & E to SSE&W	...	Ditto ditto
10·39	·035	·005	73·2	68·2	·624	76	SW	4·8	Fr. Cu. & Cu.	NNW & E to SSE&W	...	Hazy weather with small patches of cumulus and fracto cumulus clouds moving.
10·44	·033	·003	73·2	68·2	·624	76	SW	6·0	Fr. Cu. & Cu.	NNW & E to SSE&W	...	Ditto ditto.
10·49	·029	29·999	73·2	68·4	·631	77	SW	4·8	Fr. Cu. & Cu.	NNW & E to SSE&W	...	Ditto ditto.
10·54	·027	·997	73·4	68·6	·636	77	SW	4·8	Fr. Cu. & Cu.	NNW & E to SSE&W	...	Ditto ditto.
10·59	·024	·994	73·4	68·6	·636	77	SW	6·0	Fr. Cu. & Cu.	NNW & E to SSE&W	...	Ditto ditto.
11·4	·021	·991	73·4	68·7	·640	77	SW	6·0	Fr. Cu.& Cu.	NNW to SSE	...	Ditto ditto.
11·9	·019	·989	73·4	68·8	·644	78	SW	6·0	Fr. Cu.& Cu.	NNW to SSE	...	Ditto ditto.
11·14	·017	·987	73·6	69·0	·649	79	SW	7·2	Fr.Cu. & Cu.	NNW to SSE	...	Ditto ditto.
11·19	·015	·985	73·6	69·0	·649	79	SW	6·0	Fr. Cu. & Cu	NNW to SSE	...	Hazy weather with cumulus cloud over horizon.
11·24	·013	·983	73·6	69·2	·656	79	SW	7·2	Cu.	NNW to SSE	...	Ditto ditto.
11·29	·011	·981	74·0	69·3	·654	78	SW	6·0	Cu.	NNW to SSE	...	Ditto ditto.
11·34	·010	·980	74·0	69·3	·654	78	SW	7·2	Cu.	NNW to SSE	...	Ditto ditto.
11·39	·009	·979	74·0	69·4	·659	79	SW	7·2	Cu.	NNW to SSE	...	Ditto ditto.
11·44	·005	·975	74·2	69·6	·663	79	SSW	4·8	Cu.	NNW to SSE	...	Ditto ditto.
11·49	·003	·973	74·2	69·6	·663	79	SSW	7·2	Cu.	NNW to SSE	...	Ditto ditto.
11·54	·001	·971	74·3	69·8	·669	79	SSW	7·2	Cu.	NNW to SSE	...	Ditto ditto.
11·59	29·999	·969	75·0	70·4	·683	79	SSW	7·2	Cu.	NNW to SSE	...	Ditto ditto.
P.M.												
0·4	·997	·967	75·2	70·5	·683	78	SSW	7·2	Cu.	NNW to SSE	...	Hazy weather.
0·9	·991	·961	75·2	70·4	·680	78	SSW	6·0	Cu.	NNW to SSE	...	Ditto.
0·14	·989	·959	75·2	70·5	·683	78	SSW	7·2	Cu.	NNW to SSE	...	Ditto.
0·19	·987	·957	75·6	70·6	·682	77	SSW	7·2	Cu.	NNW to SSE	...	Ditto.
0·24	·985	·955	75·6	70·6	·682	77	SSW	7·2	Cu.	NNW to SSE	...	First streak of shadow just visible coming over from WSW—weather hazy.
0·29	·984	·954	75·6	70·6	·682	77	SSW	8·4	Cu.	NNW to SSE	1	Shadow moving upwards, direction NNE. Sudden fall in temperature.
0·34	·981	·951	75·2	70·2	·673	77	SSW	7·2	Cu.	NNW to SSE	2	
0·39	·980	·950	75·2	69·4	·642	73	SW	7·2	Cu.	NNW to SSE	2	

No 86 Lat 21° 39′N **SAUGOR ISLAND—*concld*** Long 88° 5 E

Three hundred and seventy eight miles from central line of totality Greatest obscuration 8

Hour Madras time	Barometer Corrected and reduced to 32° F	Barometer Reduced to sea level and constant gravity	Dry b lb corrected	Wet bulb corrected	Aqueous vapour pressure	Relat ve humidity	Wind Direction	Wind Amount since preceding interval, in miles per hour	Cloud Kind	Cloud Direction of motion	Proportion of eclipse totality to	Weather and other remarks
A M	"	"	°	°	°	%						
0·44	29 980	29·950	75·0	70 2	675	78	SW	7 2	Cu	NNW to SSE	2	
0 49	977	947	75 0	70 4	683	79	SW	7 2	Cu	NNW to SSE	3	The arc in direction of advance assuming a purplish hue
0 54	·977	947	75 0	70 4	683	79	SW	7 2	Cu	NNW to SSE	3	Ditto ditto
0·59	·975	·945	75 0	70 2	675	78	SSW	6 0	Cu	NNW to SSE	3	D tto d tto
1 4	·973	943	74 6	70 4	688	80	SSW	6 0			4	Ditto d tto
1·9	973	943	74 6	70 6	·695	81	SSW	6 0			4	D tto d tto.
1 14	·972	942	74 6	70 6	695	81	SSW	4 8	Cu	NW to SE	4	Ditto d'tto
1 19	·971	941	74 3	70·6	699	82	SSW	4 8	Cu	NW to SE	5	
1·24	971	·941	74 3	70·6	699	82	SSW	4 8	Cu	NW to SE	5	
1 29	971	941	74 2	70 2	·686	81	SSW	4 8	Cu	NW to SE	6	
1·34	·969	939	74 2	70 2	686	81	SSW	6 0	Cu	NW to SE	6	
1 39	967	937	73 6	70 0	687	83	SSW	6 0	Cu	NW to SE	7	
1 44	967	937	73 4	70 0	689	83	SSW	6·0	Cu	NW to SE	7	
1 49	967	937	73·2	69 6	676	83	SSW	6 0	Cu	NW to SE	8	This lasted for a minute only as at 1 3 P M shadow commenced decreasing but not in the same l ne as its advance ed from WSW to ENE, but at an angle of about 30 degrees to the eastward from its line of advance or began to decrease a n l ne from ESE to WNW—Soft twil ght distant hare
1 54	965	935	73·0	69·5	675	83	SSW	3 6			7	
1 59	·964	·934	72 5	69 5	·682	85	SSW	3 6			6	
2 4	964	934	72 5	69 5	682	85	SSW	3 6			5	
2 9	962	932	72 4	69 4	680	85	SSW	3 6			4	
2 14	·962	·932	72 5	69 5	682	85	SW	3 6			3	
2 19	962	·932	72 5	69 6	685	85	SW	4 8			2	
2 24	961	931	72 5	69 8	693	87	S	3 6	Cu	S to N	2	
2 29	959	·929	72 8	70 0	·697	87	SSE	3 6	Cu	S to N	2	
2·34	·957	927	72·9	70 1	700	87	S	4 8	Cu	S to N	1	Weather hazy with a small patch of cumulus cloud over horizon
2 39	955	925	72 9	70 1	·700	87	SSW	4 8	Cu	S to N	1	D tto d tto
2 44	955	925	72 9	70 1	700	87	SSW	4 8	Cu	S to N	1	D tto d tto.
2 49	·953	·923	73 2	70 2	700	86	SSW	4 8	Cu	S to N	1	
2 54	955	925	73 3	70 3	702	86	SSW	4 8	Cu	S to N		A thin streak of shadow left.
2 59	·955	925	73 3	70 3	702	86	SSW	3 6	Cu	S to N		D tto ditto
3·2												Shadow entirely passed out of disc hazy weather with shifting wind; from start to finish eclipse occupied 2 hours and 33 minutes the advance covering one hour and 23 minutes and the recession 1 hour and 7 minutes with a standstill obscuration of eight-tenths for a minute.
3 4	·957	927	73 4	70 5	708	86	S	3·6	Cu	S to N		Hazy weather
3·9	954	924	73 4	70 5	708	86	S	4 8	Cu	S to N		D tto.
3 14	956	926	73 3	70 5	707	86	SSW	4·8	Cu	S to N		D tto
3 19	956	·926	73 5	70 5	707	86	SSW	3·6				D tto.
3 24	957	·927	73 4	70 5	·708	86	S	6 0				Ditto
3·29	·960	·930	73 4	70 5	708	86	S	6 0				D tto

No. 87. Lat. 16°. 55′ N. **COCANADA.** Long. 82° 15′ E.

Three hundred and seventy-eight miles from central line of totality. Greatest obscuration 8.

Hour. Madras time.	Barometer. Corrected and reduced to 32°F.	Barometer. Reduced to sea-level and constant gravity.	Dry bulb corrected.	Wet bulb corrected.	Aqueous vapour pressure.	Relative humidity.	Wind. Direction.	Wind. Amount since preceding interval, in miles per hour.	Cloud. Proportion.	Cloud. Kind.	Proportion of eclipse, totality 10.	Weather and other remarks
A.M.	″	″	°	°	″	%						
9·48	30·057	30·020	76·5	69·4	·625	69	NE	...	1	Si		Gentle breeze. Slightly cloudy over horizon to S.E.
10·3	·052	·015	76·2	69·6	·636	71	ENE	20	1	Cu.		
10·18	·056	·019	76·7	70·2	·652	71	NE	12	1	Cu.		
10·33	·054	·017	77·2	70·5	·657	70	ENE	12	1	Cu.		
10·48	·054	·017	77·8	70·9	·666	70	ENE	8	1	Cu.		
11·3	·046	·009	77·7	70·8	·662	70	ENE	12	1	Cu.		
11·18	·040	·003	78·3	71·2	·670	70	ENE	12	1	Cu.		
11·33	·036	29·999	78·2	71·4	·679	70	ENE	12	1	Cu.		
11·48	·026	·989	78·8	71·7	·683	70	ENE	16	1	Cu.		
11·58	·026	·989	78·8	71·7	·683	70	ENE	18	1	Cu.		
P.M.												
0·3	·024	·987	78·8	71·7	·683	70	ENE	12	1	Cu.		
0·8	·022	·985	79·3	71·9	·685	68	E	12	1	Cu.		First contact at the SW edge of sun's limb.
0·13	·022	·985	79·2	71·7	·677	68	ESE	12	1	Cu.	1	Gentle breeze. Slightly cloudy over horizon to S.E. till 1·8 P.M.
0·18	·017	·980	78·5	71·9	·696	72	E	12	1	Cu.		
0·23	·017	·980	78·7	71·6	·681	70	ESE	12	1	Cu.		
0·28	·016	·979	78·9	71·7	·681	69	E	12	1	Cu.		
0·33	·016	·979	79·5	71·9	·682	68	E	12	1	Cu.	2	
0·38	·010	·973	79·5	72·1	·689	68	E	12	1	Cu.		
0·43	·007	·970	78·7	71·6	·681	70	ESE	12	1	Cu.	3	
0·48	·001	·964	78·5	71·6	·683	70	ESE	12	1	Cu.		
0·53	·001	·964	78·8	72·4	·711	72	ESE	12	1	Cu.	4	
0·58	·000	·963	78·8	71·7	·683	70	ESE	12	1	Cu.		
1·3	·002	·965	78·5	71·4	·675	70	ESE	12	1	Cu.		
1·6	...	...	...	...	...	...		...	...	...	5	
1·8	29·996	·959	78·2	71·4	·679	70	ESE	12	1	Cu.		
1·10	...	...	...	...	...	—		...	...	...	6	
1·13	·994	·957	78·0	71·4	·682	71	ESE	12	*Nil*			
1·18	·990	·953	77·8	71·4	·684	71	ESE	12	"		7	
1·23	·990	·953	77·7	71·4	·686	72	ESE	12	"			
1·28	·986	·949	77·5	71·1	·677	71	ESE	6	"		8	1·28 P.M. to 1·33 P.M. Time of greatest obscurity sun quite clear, sky looking dull bluish as before a thunder storm. Trees and vegetation dark green.
1·33	·984	·947	77·1	71·4	·693	74	ESE	6	"			
1·38	·978	·941	77·2	71·4	·692	74	ESE	12	"			
1·43	·978	·941	76·8	71·1	·686	74	ESE	12	"		7	
1·48	·978	·941	76·8	71·4	·697	75	ESE	12	"		6	
1·53	·978	·941	76·7	71·4	·703	76	ESE	...	"			
1·55	...	...	...	...	...	...		...	"		5	
1·58	·978	·941	76·7	71·4	·699	76	ESE	12	...			
2·3	·976	·939	76·8	71·4	·697	75	ESE	12	"		4	
2·8	·972	·935	76·9	71·4	·696	75	ESE	12	"		3	
2·13	·974	·937	77·5	71·7	·700	74	ESE	12	"			
2·18	·972	·935	77·8	72·2	·716	75	ESE	12	"		2	
2·23	·970	·933	77·5	71·8	·704	75	ESE	12	"			
2·28	·970	·933	77·5	71·5	·693	73	ESE	12	"		1	
2·33	·970	·933	77·9	71·9	·705	74	ESE	12	"			
2·38	·970	·933	77·8	71·9	·706	74	ESE	12	"			
2·43	·970	·933	78·5	72·4	·715	74	ESE	12	"			
2·48	·970	·933	78·5	72·4	·715	74	ESE	12	"			
2·53	·970	·933	78·5	72·4	·715	74	ESE	12	"			Last contact at north or upper part of sun's limb.
2·55	...	...	...	...	...	...	...	...	"			
3·8	·971	·934	78·5	72·4	·715	74	ESE	128	"			
3·23	·977	·940	78·5	72·4	·715	74	ESE	8	"			
3·38	·975	·938	78·8	71·9	·691	70	ESE	8	"			
3·53	·979	·942	78·5	71·8	·691	71	ESE	12	"			

No. 88. Lat. 19° 48′ N. POOREE. Long. 85° 53′ E.

Three hundred and eighty miles from central line of totality. Greatest obscuration 8.

Hour. Madras time.	Barometer. Corrected and reduced to 32° F.	Barometer. Reduced to sea-level and constant gravity.	Dry bulb corrected.	Wet bulb corrected.	Aqueous vapour pressure.	Relative humidity.	Wind. Direction.	Wind. Amount since preceding interval, in miles per hour.	Cloud proportion.	Proportion of eclipse, totality 10.	Weather and other remarks.
A.M.	"	"	°	°	"	%					
9·37	30·083	30·046	75·6	73·5	·798	91	Calm	...	*Nil.*	...	
9·52	·078	·041	75·5	70·6	·684	77	SW	4·8	"	...	Fine clear weather.
10·7	·073	·036	76·1	70·7	·678	75	SW	4·0	"	...	Ditto.
10·22	·071	·034	76·1	70·2	·659	73	SW	4·8	"	...	Ditto.
10·37	·066	·029	76·2	70·3	·662	73	SW	4·4	"	...	Ditto.
10·52	·059	·022	76·2	70·2	·659	73	SW	5·2	"	...	Ditto.
11·7	·053	·016	76·4	70·0	·647	71	SW	8·8	"	...	Ditto.
11·22	·048	·011	77·2	69·5	·619	67	SW	6·8	"	...	Ditto.
11·37	·041	·004	77·9	70·0	·627	65	SW	7·6	"	...	Ditto.
11·52	·035	29·993	77·9	70·0	·627	65	SW	8·4	"	...	Ditto.
P.M.											
0·7	·025	·988	78·9	69·9	·614	61	SW	4·0	"	1 from WSW	Ditto.
0·22	·017	·980	78·3	69.8	·616	63	SW	14·0	"	1 "	Ditto. Small patches of cloud towards W S W.
0·37	·015	·978	78·3	70·0	·624	64	SW	8·0	"	2 "	Ditto ditto.
0·42	·015	·978	78·4	70·2	·630	65	SW	10·8	"	2 "	Ditto, ditto.
0·47	·008	·971	77·3	69·8	·629	67	SW	6·0	"	3 "	Ditto. ditto.
0 52	·010	·973	77·5	69·9	·634	67	SW	7·2	"	3 "	Ditto. ditto.
0·57	·008	·971	77·6	69·9	·632	66	SW	7·2	"	4 "	Ditto, ditto.
1·2	·001	·964	77·8	69·9	·627	65	SW	8·4	"	4 "	Ditto. ditto.
1·7	·002	·965	77·5	69·8	·632	67	SW	7·2	"	5 "	Ditto.
1·12	·001	·964	76·9	69·6	·628	67	SW	7·2	"	5 "	Ditto.
1·17	29·996	·959	77·0	69·7	·630	67	SW	7·2	"	6 "	Ditto.
1·22	·994	·957	76·3	69·5	·632	69	SW	8·4	"	6 "	Ditto.
1·27	·994	·957	76·3	69·3	·624	69	SW	7·2	"	7 "	Slightly gloomy.
1·32	·994	·957	75·9	69·3	·631	71	SW	7·2	"	7 "	Ditto.
1·37	·988	·951	75·9	69·2	·626	71	SW	7·2	"	8 "	Ditto.
1·42	·987	·950	75·5	69·2	·632	71	SW	8·4	"	8 "	Gloomy.
1·47	·987	·950	75·4	69·0	·623	71	WSW	7·2	"	7 "	Gloomy with cool temperature causing slight chilliness.
1·52	·981	·944	75·2	68·9	·627	71	WSW	7·2	"	7 "	Slightly brighter.
1·57	·987	·950	75·1	69·0	·629	72	WSW	8·4	"	6 "	Brighter.
2·2	·981	·944	75·2	68·9	·627	71	WSW	8·4	"	6 "	Ditto
2·7	·979	·942	75·1	68·8	·623	71	WSW	7·2	"	5 "	Still brighter.
2·12	·977	·940	75·3	69·0	·627	71	WSW	7·2	"	5 "	Ditto.
2·17	·981	·944	75·3	69·2	·634	72	WSW	8·4	"	4 "	Getting by degrees brighter.
2·22	·977	·940	75·6	69·2	·628	71	WSW	7·2	"	4 "	
2·27	·974	·937	75·6	69·2	·628	71	WSW	8·4	"	3 "	
2·32	·978	·941	75·9	69·3	·631	71	WSW	7·2	"	3 "	
2·37	·976	·939	76·2	69·4	·637	69	WSW	7·2	"	3 "	
2·42	·981	·944	76·6	69·7	·633	69	WSW	7·2	"	2 "	
2·47	·980	·943	76·9	69·5	·621	67	WSW	6·0	"	2 "	
2·52	·978	·941	77·2	69·5	·619	67	WSW	8·4	"	1 "	
2·57	·984	·947	77·2	69·7	·626	67	WSW	7·2	"	1 "	
3·2	·982	·945	77·4	69·8	·629	67	WSW	4·8	"	0	Eclipse over. Nothing unusual observed around the sun either before or after the eclipse.
3·7	·978	·941	77·2	69·7	·626	67	WSW	19·2	"	...	
3·22	·983	·946	77·3	69·2	·607	65	WSW	7·6	"	...	
3·37	·985	·948	77·4	69·6	·621	65	WSW	2·4	"	...	

No. 89. Lat. 11° 15′ N. **CALICUT.** Long. 75° 49′ E.

Three hundred and eighty-three miles from central line of totality Greatest obscuration 8.

Hour. Madras time.	Barometer. Corrected and reduced to 32° F.	Barometer. Reduced to sea-level and constant gravity.	Dry bulb corrected.	Wet bulb corrected	Aqueous vapour pressure.	Relative humidity.	Wind. Direction.	Wind. Amount since preceding interval, in miles per hour.	Cloud. Proportion.	Cloud. Kind.	Proportion of eclipse, totality 10.	Weather and other remarks.
A.M.	″	″	°	°	″	%						
10-18	29·987	29·943	81·2	71·0	·623	59	NW	...	1	Cu.	...	Fine weather, blue sky, clouds white and grey moving to N. W.
10-33	·986	·942	82·1	71·9	·646	59	NW	5·6	1	Cu.	...	Ditto ditto increasing.
10-48	·986	·942	82·7	72·0	·642	58	NW	5·2	1	Cu.	...	Ditto ditto changing in form
11-3	·986	·942	83·2	72·4	·652	57	NW	4·4	1	Cu.	...	Ditto ditto.
11-18	·988	·944	83·6	72·4	·646	56	NW	7·0	1	Cu.	.	Ditto ditto. Breeze increasing in force.
11-33	·980	·936	84·3	72·4	·636	54	NW	4·2	1	Cu.	...	Light blue sky ditto clouds decreasing,
11-48	·976	·932	84·5	72·4	·634	54	NW	1·6	*Nil*	...	...	Ditto ditto
11-53	·971	·927	84·6	72·4	·632	53	WNW	8·4	"	...	...	Clear weather and light breeze. Eclipse probably commenced but not perceptible.
11-58	·967	·922	85·0	72·4	·628	52	WNW	8·4	"	...	...	Ditto.
P.M.												
0-3	·965	·921	84·6	72·4	·632	53	WNW	20·2	"	...	...	Ditto.
0-8	·963	·919	84·7	72·5	·635	54	WNW	13·8	"	...	2	Ditto.
0-13	·961	·917	84·8	72·5	·634	53	WNW	14·4	"	...	...	Ditto.
0-18	·959	·915	84·3	71·9	·616	52	WNW	14·4	"	...	3	Gentle breeze.
0-23	·955	·911	83·9	72·0	·626	54	WNW	14·4	"	...	...	Less clear.
0-28	·949	·905	83·8	71·6	·612	53	WNW	10·8	"	...	...	Still less clear, blue sky, Thin haze east of sun
0-33	·947	·903	83·8	72·0	·627	55	WNW	15·6	"	...	4	Light breeze ditto. Birds flying in excitement.
0-38	·945	·901	83·6	72·1	·634	55	WNW	13·2	"	...	"	Ditto. Sun less warm and bright.
0-43	·945	·901	83·3	71·2	·623	53	WNW	18·0	"	...	5	Ditto.
0-48	·945	·901	82·9	71·0	·600	53	WNW	14·4	"	...	...	Ditto.
0-53	·943	·899	82·7	71·0	·602	54	WNW	15·6	"	...	6	Ditto.
0-58	·939	·895	82·7	71·0	·602	54	WNW	12·0	"	...	...	Ditto.
1-3	·937	·893	82·2	70·6	·594	55	WNW	8·4	"	...	7	Blue sky darkening in N Weather dull.
1-8	·934	·890	81·7	70·2	·585	54	WNW	10·8	"	...	...	Ditto. ditto.
1-13	·933	·889	81·5	70·4	·596	56	WNW	10·8	"	...	8	Sky dark blue. Sea-bluish.
1-18	·932	·888	81·4	70·3	·594	56	WNW	16·8	"	...	8	
1-23	·928	·884	81·4	70·1	·586	55	WNW	15·0	"	...	...	
1-28	·926	·882	81·5	70·1	·584	54	WNW	11·4	"	...	7	Sky blue, clearing, weather warmer and brighter.
1-33	·926	·882	81·4	69·8	·574	54	WNW	9·6	"	...	...	
1-38	·925	·881	81·5	69·7	·569	53	WNW	10·2	"	...	6	
1-43	·924	·880	81·7	70·4	·593	55	WNW	13·8	"	...	...	
1-48	·922	·878	82·0	70·6	·596	55	WNW	24·0	"	...	5	
1 53	·919	·875	82·5	70·7	·594	54	WNW	15·6	"	...	...	Sky blue, still warmer and brighter.
1-58	·918	·874	82·6	70·5	·585	53	WNW	14·4	"	...	4	
2-3	·916	·872	83·1	70·1	·563	49	WNW	15·6	"	...	...	
2-8	·914	·870	83·4	71·4	·609	53	WNW	14·4	"	...	3	
2-13	·912	·868	83·4	71·2	·601	53	WNW	12·0	"	...	...	
2-18	·910	·866	83·7	71·5	·609	53	WNW	16·8	"	...	2	Sky light blue.
2-23	·909	·865	84·0	71·6	·609	52	WNW	15·6	1	A-Cu.	...	
2-28	·909	·865	83·9	71·5	·606	52	WNW	4·8	2	A-Cu.	1	Cloud grey in the east.
2-33	·907	·863	84·1	71·4	·599	51	WNW	27·6	3	A-Cu.	...	Ditto. ditto.
2-38	·907	·863	84·6	71·8	·609	52	WNW	...	5	A-Cu.	...	Clouds greyish.
2-46	...	...	85·2	72·3	·620	51	WNW	12·5	7	A-Cu.	...	Ditto. Eclipse over.
2-53	·907	·862	...	...	...	...	WNW	...	8	A-Cu.	...	Ditto.
3 1	...	...	84·9	71·6	·597	50	WNW	14·4	8	A-Cu.	...	Clouds white.
3-8	·901	·857	84·8	71·5	·594	50	WNW	12·7	8	A-Cu.	...	Ditto.
3-23	·903	·859	84·6	71·4	·592	50	WNW	17·8	8	A-Cu.	...	Ditto.
3-38	·904	·860	84·7	71·3	·588	49	WNW	16·3	7	A-Cu.	...	Ditto.
3·53	·905	·860	85·0	71·7	·599	50	WNW	11·5	7	A-Cu.	...	Ditto and decreasing in thickness and proportion.
4-8	·905	·860	85·1	71·9	·605	50	NW	17·5	6	A-Cu.	...	Ditto.
4-18	·908	·863	85·0	72·0	·611	51	NW					Ditto.

No. 90. La. 2 °20′ N. **FALSE POINT.** Long. 86°41′ E.

Three hundred and eighty-eight miles from central line of totality. Greatest obscuration 8.

Hour. Madras time.	Barometer. Corrected and reduced to 32° F.	Barometer. Reduced to sea-level and and constant gravity.	Dry bulb corrected.	Wet bulb corrected	Aqueous vapour pressure.	Relative humidity.	Wind. Direction	Wind. Amount since preceding interval, in miles per hour.	Cloud proportion.	Proportion of eclipse, totality 10.	Weather and other remarks.
A.M.	°	°	°	°	°	%					
9·34	30·071	30·034	75·6	68·8	·613	70	SSW	...	*Nil*	...	
9·49	·069	·032	75·9	68·9	·613	69	SSE	2·4	"	...	
10·4	·060	·023	76·5	69·3	·620	68	S	3·2	"	...	
10·19	·057	·020	77·1	69·4	·617	66	S	5·6	"	...	
10·34	·053	·016	77·3	69·4	·614	65	S	5·6	"	...	
10·49	·050	·013	77·3	69·4	·614	65	S	6·4	"	...	
11·4	·046	·009	77·7	69·4	·610	64	S	7·6	"	...	Fine clear weather.
11·19	·039	·002	77·7	69·4	·610	64	S	6·0	"	...	
11·34	·033	29·996	77·7	69·7	·620	65	S	11·6	"	...	
11·49	·027	·990	78·2	70·2	·632	65	S	8·4	"	...	
P.M.											
0·4	·014	·977	78·3	70·4	·638	65	S	16·0	"	...	
0·9	·012	·975	78·3	70·4	·638	65	S	15·6	"	...	
0·14	·010	·973	78·2	70·3	·635	65	S	12·0	"	...	
0·19	·010	·973	78·2	70·2	·632	65	S	8·4	"	...	
0·24	·008	·971	78·2	70·2	·632	65	S	13·2	"	...	Eclipse commenced from S. E.
0·29	·004	·967	78·1	69·9	·622	64	S	8·4	"	...	
0·34	·002	·965	78·3	69·4	·600	61	S	9·6	"	1	
0·39	·000	·963	78·3	70·3	·634	65	SSE	10·8	"	...	
0·44	·000	·963	78·3	70·3	·634	65	S	10·8	"	...	
0·49	29·994	·957	78·7	70·3	·629	63	S	12·0	"	...	
0·54	·990	·953	78·7	70·3	·629	63	S	8·4	"	2	
0·59	·988	·951	77·3	69·5	·617	66	S	13·2	"	...	
1·4	·986	·949	77·2	69·5	·619	66	S	10·8	"	3	
1·9	·985	·948	76·4	69·4	·626	69	S	1·2	"	...	Atmosphere assumed a brassy appearance as in fine sunrise.
1·14	·984	·947	76·2	69·4	·629	70	S	9·6	"	-	
1·19	·984	·947	76·2	69·4	·629	70	S	19·2	"	...	Moon about half way across the sun obscuring lower limb.
1·24	·982	·945	75·5	69·4	·639	72		8·4	"	4	
1·29	·981	·944	75·4	69·2	·632	71	S	8·4	"	...	
1·34	·983	·946	74·9	68·9	·627	72	S	8·4	"	5	Atmosphere has a dull lowering appearance from N. W.
1·39	·983	·946	74·4	68·9	·634	74		4·8	"	...	
1·44	·981	·944	74·2	68·9	·636	75	S	2·4	"	—	
1·49	·979	·942	74·1	69·2	·645	75	S	12·0	"	7 to 8	
1·54	·977	·940	74·4	69·3	·649	76	S	9·6	"	...	
1·59	·975	·938	74·4	69·3	·649	76	S	8·4	"	5	
2·4	·972	·935	74·5	69·4	·652	76	S	7·2	"	...	
2·9	·971	·934	75·2	69·4	·642	73	S	8·4	"	4	Atmosphere appeared bright.
2·14	·970	·933	75·4	69·4	·640	72	S	8·4	"	...	
2·19	·970	·933	75·4	69·4	·640	72	S	3·6	"	3	
2·24	·968	·931	75·8	69·4	·634	71	S	3·6	"	...	
2·29	·970	·933	76·2	69·4	·629	70	S	3·6	"	2	Fine clear weather.
2·34	·972	·935	76·2	69·4	·629	70	S	21·6	"	...	
2·39	·969	·932	76·4	69·2	·618	68	S	8·4	"	...	
2·44	·968	·931	77·3	69·2	·607	65	SSE	7·2	"	1	
2·49	·967	·930	77·2	68·9	·596	64	SSE	7·2	"	...	
2·54	·967	·930	77·3	69·2	·607	65	S	7·2	"	...	Eclipse ended.
2·59	·967	·930	77·3	69·2	·607	65	S	3·6	"	...	The wind though generally light and steady was at times puffy during transit. The brassiness referred to in the remarks had a most wired appearance and an unusual stillness in the surroundings prevailed. No special phenomenon was noticed during transit. The western limb of the sun was visible during transit throughout.
3·4	·968	·931	77·2	69·4	·615	66	S	12·0	"	...	
3·19	·969	·932	76·6	69·5	·627	69	S	8·8	"	...	
3·34	·977	·940	77·3	69·7	·625	67	S	7·2	"	—	
4·34	·985	·948	75·4	69·4	·640	72	S	1·2	"	...	

No. 91. Lat. 24° 49′ N. SILCHAR. Long. 92° 50′ E.

Three hundred and eighty-eight miles from central line of totality. Greatest obscuration 8.

Hour. Madras time.	Barometer. Corrected and reduced to 32° F.	Barometer. Reduced to sea-level and constant gravity.	Dry bulb corrected.	Wet bulb corrected.	Aqueous vapour pressure.	Relative humidity.	Wind. Direction.	Wind. Amount since preceding interval, in miles per hour.	Cloud, kind and proportion.	Proportion of eclipse, total by 10.	Weather and other remarks.
	"	"	°	°	"	%					
A.M. 9-10	29·989	30·048	66·2	62·0	·501	78	E	...	A-Cu.	...	The sky was bluish from 9-10 A.M. to 1-40 P.M. and from 1-40 P.M. to 2-5 P.M. was dusky and bluish.
9-25	·990	·049	67·5	62·5	·501	74	ESE	3·2	A-Cu.	...	
9-40	·986	·045	68·5	62·5	·487	70	ESE	3·6	A-Cu	...	
9-55	·979	·037	70·5	63·7	·501	67	Calm	2·8	A-Cu.	...	
10-10	·968	·026	71·5	63·5	·481	62	Calm	2·0	Cu.	...	
10-25	·961	·019	71·8	63·7	·484	62	Calm	2·0	Cu.	...	10·25 A.M. to 0-50 P.M. Cumulus clouds. Colour of the cloud over the hills towards N. and N. E. whitish grey. The top of the clouds were whitish grey, and the lower part was not visible, being covered with haze.
10-40	·952	·010	73·7	65·1	·506	61	Calm	1·6	Cu.	...	
10-55	·948	·005	75·0	65·4	·499	57	ESE	4·8	Cu.	...	
11-10	·940	29·997	75·1	64·7	·474	55	ESE	3·6	Cu.	...	
11-25	·927	·984	76·1	64·6	·453	51	SSE	2·8	Cu.	...	
11-40	·918	·975	75·8	64·5	·458	52	Calm	2·0	Cu.	...	
11-55	·914	·971	76·6	64·5	·447	49	ESE	3·2	Cu.	...	
P.M. 0-10	·908	·965	77·6	64·5	·434	46	Calm	3·2	Cu.	...	
0-25	·900	·957	77·6	64·5	·434	46	Calm	0·8	Cu.	...	Eclipse commenced from S. W.
0-35	·894	·951	77·4	64·7	·442	48	Calm	0	Cu.	1	
0-40	·892	·949	77·8	64·4	·427	44	WSW	10·8	Cu.	1	
0-45	·887	·944	78·6	65·1	·440	45	Calm	0	Cu.	1	
0-50	·887	·944	79·2	65·5	·448	45	Calm	0	Cu.	2	
0-55	·885	·942	78·6	65·5	·455	47	SSE	7·2	*Nil*	2	0·55 P.M. to 3-10 P.M. cloud not visible owing to haze.
1-0	·885	·942	78·1	64·5	·427	45	SSE	6·0	,,	3	
1-5	·885	·942	77·2	64·1	·425	46	Calm	1·2	,,	3	
1-10	·883	·940	77·1	64·5	·440	48	Calm	0	,,	4	
1-15	·884	·941	77·1	64·5	·440	48	Calm	0	,,	4	
1-20	·882	·939	76·6	63·5	·413	46	Calm	0	,,	5	
1-25	·880	·937	77·4	64·5	·437	47	Calm	1·2	,,	6	
1-30	·878	·935	77·1	64·5	·440	48	Calm	0	,,	6	
1-35	·878	·935	76·6	64·1	·432	47	Calm	0	,,	7	
1-40	·876	·933	76·1	64·1	·439	49	Calm	1·2	,,	8	
1-45	·878	·935	75·1	63·3	·426	49	Calm	2·4	,,	8	
1-50	·876	·934	74·9	63·2	·424	49	Calm	1·2	,,	8	
1-55	·876	·934	74·3	63·0	·426	50	Calm	0	,,	8	
2-0	·876	·934	74·0	63·0	·430	51	Calm	3·6	,,	8	
2-5	·877	·935	73·8	63·0	·433	52	Calm	0	,,	...	
2-10	·877	·935	74·3	63·5	·443	53	Calm	2·4	,,	5	
2-15	·877	·935	74·5	64·1	·460	54	Calm	0	,,	5	
2-20	·877	·935	74·7	64·5	·472	56	Calm	0	,,	3	
2-25	·875	·933	74·9	64·5	·469	55	Calm	0	,,	2	
2-30	·872	·929	75·5	65·0	·478	54	Calm	1·2	,,	2	
2-35	·872	·929	75·5	64·1	·447	51	WSW	3·6	,,	2	
2-40	·872	·929	75·6	64·1	·446	50	WSW	4·8	,,	2	
2-45	·872	·929	75·7	64·0	·442	50	WSW	4·8	,,	1	
2-50	·872	·929	76·1	64·5	·454	51	WSW	3·6	,,	1	
2-55	·872	·929	76·6	64·0	·429	47	WSW	4·8	,,	1	
3-0	·872	·929	76·6	64·5	·447	49	WSW	3·6	,,	1	
3-5	·870	·927	76·6	64·6	·450	49	WSW	2·4	,,	0	Eclipse ended at N. E.
3-10	·870	·927	76·6	64·8	·457	50	WSW	1·2	,,	...	

No. 92. Lat. 22° 17′ N. RAJKOT. Long. 70° 52′ E.

Three hundred and ninety-two miles from central line of totality. Greatest obscuration 8.

Hour. Madras time.	Barometer. Corrected and reduced to 32° F.	Barometer. Reduced to sea-level and constant gravity.	Dry bulb corrected.	Wet bulb corrected.	Aqueous vapour pressure.	Relative humidity.	Wind. Direction.	Wind. Amount since preceding interval, in miles per hour.	Cloud proportion.	Weather and other remarks.
	"	"	°	°	"	%				
A.M.										
10·0	29·643	30·027	82·9	59·3	·189	17	E	...	Nil	Fine clear weather.
10·10	·631	·015	83·1	59·6	·192	18	...	5·4	"	Do.
10·16	·637	·019	84·6	59·8	·177	15	E	6·0	"	Do.
10·23	·644	·026	84·7	60·0	·190	10	E	9·4	"	Do.
10·30	·648	·032	85·3	60·6	·201	17	E	5·1	"	Do.
10·37	·648	·030	85·6	60·2	·185	15	E	6·0	"	Do.
10·45	·644	·026	86·4	60·8	·193	16	E	6·0	"	Do.
10·53	·650	·031	87·1	61·4	·203	16	E	6·9	"	Do.
11·0	·633	·013	87·6	61·6	·203	16	E	4·0	"	Do.
11·7	·643	·023	88·0	60·4	·159	11	E	4·0	"	Do.
11·12	·633	·013	88·3	61·2	·181	13	E	12·0	"	Do.
11·18	·628	·006	89·0	61·4	·177	12	E	8·0	"	Do.
11·25	·628	·006	89·3	61·6	·180	13	E	8·0	"	Do.
11·30	·624	·002	89·3	61·2	·168	12	E	7·2	"	Do.
11·35	·625	·002	90·1	62·6	·202	14	E	5·0	"	Do.
11·41	·627	·004	89·6	61·8	·181	13	E	5·0	"	Do.
11·47	·617	29·994	89·9	61·8	·178	13	E	5·0	"	Do.
11·53	·621	·998	90·1	62·3	·172	13	E	5·0	"	Do
12·0	·617	·993	90·7	62·5	·191	14	E	6·0	"	Do.
P.M.										
0·6	·615	·991	90·9	62·8	·198	14	N	4·3	"	Do.
0·13	·613	·990	90·3	62·1	·183	13	E	7·0	"	Do.
0·19	·611	·988	90·3	62·0	·179	12	ESE	9·0	"	Do.
0·26	·607	·983	91·1	61·4	·149	10	ESE	4·3	"	Do.
0·33	·609	·986	90·3	61·4	·159	10	E	5·0	"	Do. Eclipse commenced, sky in the neighbourhood sun whitish.
0·40	·600	·977	90·1	62·2	·188	13	E.SE	2·0	"	Do.
0·50	·598	·975	89·5	61·8	·183	13	E	4·0	"	Do.
0·56	·597	·975	89·1	62·8	·222	16	E	4·0	"	Dark and gloomy.
1·4	·593	·973	88·3	62·8	·233	18	E	1·5	"	Do.
1·12	·599	·983	87·3	62·0	·220	17	E	1·5	"	Do.
1·20	·597	·978	87·3	61·8	·214	17	NNE	1·3	"	Do.
1·30	·605	·986	87·3	61·8	·214	17	E	2·6	"	
1·35	·609	·990	87·3	62·0	·220	17	E	2·0	"	
1·42	·605	·985	88·1	61·8	·203	15	E	1·5	"	Fine clear weather, clear sky.
1·50	·597	·977	88·3	62·0	·206	15	E	1·7	"	Fine clear weather.
1·56	·593	·971	89·1	62·0	·196	14	NNE	4·0	"	Do.
2·3	·569	·947	89·1	61·2	·170	12	NNE	0	"	Do.
2·10	·555	·933	89·3	61·4	·173	12	NNE	7·5	"	Calm.
2·18	·569	·946	90·3	62·0	·179	12	NNE	4·5	"	Fine clear weather.
2·25	·579	·956	90·3	62·2	·186	13	E	3·0	"	Do. Eclipse terminated, sun light as usual.
2·31	·581	·958	90·3	62·2	·186	13	NNE	5·0	"	Do.
2·37	·587	·963	91·1	62·8	·195	13	NNE	5·0	"	Do.
2·43	·587	·963	90·9	62·8	·198	14	NNE	4·0	"	Do.
2·50	·590	·966	91·1	63·0	·202	14	NNE	0·9	"	Do.
2·56	·580	·957	90·3	62·4	·192	13	NNE	5·0	"	Do.
3·2	·560	·936	90·7	63·8	·233	16	NNE	2·0	"	Do.
3·9	·562	·939	90·3	62·0	·179	12	N	3·4	"	Do.
3·15	·558	·934	90·5	62·8	·203	14	N	4·0	"	Do.
3·22	·556	·932	90·5	62·4	·190	13	NNE	1·7	"	Do.
3·29	·552	·928	90·9	63·4	·218	14	NNE	2·6	"	Do.
3·35	·552	·928	91·1	63·4	·215	14	NNE	3·0	"	Do.
3·41	·578	·954	91·4	63·2	·218	16	NNE	3·0	"	Do.
3·47	·574	·950	91·1	64·0	·236	16	NNE	1·0	"	Do.
3·53	·570	·946	91·4	64·0	·231	15	NNE	0	"	Do.
4·0	·572	·947	91·6	64·2	·235	15	NNE	4·2	"	Calm.

No. 93. Lat. 23° 26′ N. COMILLA. Long. 91° 14′ E.

Four hundred and four miles from central line of totality. Greatest obscuration 8.

Hour. Madras time.	Barometer. Corrected and reduced to 32° F.	Barometer. Reduced to sea-level and constant gravity.	Dry bulb corrected.	Wet bulb corrected.	Aqueous vapour pressure.	Relative humidity.	Wind. Direction.	Wind. Amount since preceding interval, in miles per hour.	Cloud, kind and proportion.	Proportion of eclipse, totality 10.	Weather and other remarks.
A.M.	″	″	°	°	″	%					
9·32	30·029	30·014	70·6	64·8	·537	72	Calm	..	*Nil*	...	Fine clear weather.
9·47	·027	·012	71·8	65·2	·467	60	Calm	0	,,	...	
10·2	·027	·012	73·2	64·8	·502	60	S	1·2	,,	...	
10·17	·017	·002	74·4	64·8	·487	57	SE	1·6	,,	..	
10·32	·011	29·995	75·2	64·4	·461	53	ESE	21·2	,,	...	
10·47	·005	·981	76·3	64·6	·454	50	Calm	1·2	,,	...	
11·2	·001	·975	77·2	64·8	·448	48	ESE	0·8	,,	...	
11·17	29·997	·981	76·6	63·8	·423	46	NE	2·0	,,	...	A white cloud appeared on the S W of the horizon; more than half the sky was blue, and the sun shining.
11·32	·985	·970	77·5	64·8	·441	46	NE	1·6	Ci.	...	Cloud formation began. White clouds visible in the S W and small reddish-coloured clouds in N E horizon.
11·47	·977	·961	78·3	65·8	·541	56	SW	2·8	Ci.	...	White patches of clouds here and there horizon.
P.M. 0·2	·969	·953	78·4	67·0	·542	55	Calm	0·8	Ci.	.	Ditto.
0·17	·963	·947	78·8	67·6	·527	51	W	0·8	Ci.	..	
0·32	·955	·939	78·8	65·0	·432	44	W	2·0	Ci.	...	Eclipse began at 0·37 P.M.
0·47	·953	·937	79·3	65·3	·438	43	SE	1·6	Ci.	1	
0·52	·951	·935	79·[illegible]	65·3	·434	42	...	...	...	1	
0·57	·949	·933	79·[illegible]	64·8	·414	41	...	...	...	1	
1·2	·948	·932	77·8	64·6	·407	41	SE	4·8	Ci.	1	
1·7	·945	·929	79·8	64·6	·407	41	...	..	...	1	
1·12	·945	·929	79·8	64·3	·396	39	SE	4·8	Ci.	1	
1·17	·943	·927	79·8	64·5	·414	41	...	...	...	5	At 1·17 P.M. sun nearly half eclipsed, its heat felt less and atmosphere assumed a kind of stillness.
1·22	·941	·925	79·5	65·0	·421	41	...	...	...	1	
1·27	·941	·925	79·5	65·1	·424	42	SE	0·4	Ci.	1	
1·32	·941	·925	79·[illegible]	66·8	·498	51	...	...	..	1	
1·37	·939	·923	79·5	67·5	·535	54	SE	0·4	Ci.	1	
1·42	·939	·923	79·5	67·5	·535	54	...	...	...	1	
1·47	·937	·921	79·[illegible]	67·8	·535	54	...	...	...	1	
1·52	·937	·921	77·[illegible]	67·8	·535	54	E	1·6	A.S.	1	Sky Dutch with white clouds here and there near horizon.
1·57	·935	·919	79·5	65·5	·431	53	...	...	*Nil*	1	
2·7	·937	·921	79·[illegible]	69·9	·633	69	..	...	..	1	
2·7	·937	·921	79·[illegible]	69·9	·653	73	Calm	0	..	8	Maximum obscuration.
2·12	·934	·918	79·[illegible]	69·9	·653	73	...	.	..	1	
2·17	·931	·916	79·[illegible]	70·4	·653	71	Calm	0	..	1	
2·22	·929	·914	79·[illegible]	70·4	·658	71	...	...	..	1	
2·27	·929	·914	79·[illegible]	69·9	·639	69	...	..	..	1	
2·32	·927	·912	79·[illegible]	69·3	·616	65		...	..	1	
2·37	·925	·912	79·[illegible]	69·0	·597	63	Calm	0	..	1	
2·42	·925	·909	79·8	68·8	·571	61	...	...	..	1	
2·47	·923	·907	79·[illegible]	68·8	·571	61	...	...	..	1	
2·52	·923	·907	79·3	68·8	·564	57	E	4·4	..	1	
2·57	·921	·905	79·3	68·8	·564	57	...	...	..	1	
3·2	·919	·903	79·5	69·3	·596	57	...	...	..	...	At 3·2 P.M. eclipse terminated.
3·7	·919	·903	79·5	68·8	·556	55	...	...	..	...	
3·12	·919	·904	79·5	68·8	·556	55	...	6·3	..	...	
3·17	·919	·903	79·8	68·8	·556	55	...	...	..	...	Sky quite clear.

No. 94 Lat 21°42′ N **BARISAL** Long 90°25′ E

Four hundred and eight miles from central line of totality Greatest obscuration 8

Hour	Barometer		Dry bulb corrected	Wet bulb corrected	Aqueous vapor pressure	Relative humidity	Wind		Cloud proportion	Proportion of eclipse totality 10	Weather and other remarks
Madras time	Corrected and reduced to 32° F	Reduced to sea level and constant gravity					Direction	Amount since preceding interval, in miles per hour			
A M	"	"	°	°	"	%					
9·19	30 055	30 014	73 3	63 8	467	57	Calm	..	*Nil*		Fine clear weather Blue sky
9·34	031	010	74 7	64 8	482	55	Calm	7	"		Ditto ditto
9 49	046	004	75 5	64 8	471	53	Calm	0	"	..	Ditto ditto.
10 4	042	000	76 5	64 8	458	51	Calm	0	"		Ditto ditto
10 19	039	29 997	76 8	64 8	454	49	Calm	0	"		Ditto ditto
10·34	033	991	78 4	65 4	454	46	Calm	0	"		Ditto ditto
10 49	027	985	78 4	65 5	457	46	Calm	2 0	"		Ditto ditto
11 4	019	977	79 4	65 7	450	45	Calm	0	"		Ditto ditto
11 19	013	971	79 4	63 8	·385	38	Calm	0	"		Ditto ditto
11 34	007	965	79 5	64 6	411	41	Calm	0	"		Ditto ditto
11 49	29·998	95′	79 0	64 7	421	42	Calm	0	"		Ditto ditto
P M											
0 4	·988	946	79 5	64 8	418	42	Calm	0	"		Ditto ditto
0·19	982	940	80 2	65 0	415	41	Calm	0	"		Ditto ditto
0·29	978	936	80 0	64 8	411	41	Calm	0	"	...	Eclipse commenced from the south west of the sun; colour of sky and sun yellowish
0 34	974	93°	80 0	64 8	411	41	Calm	7	"		Fine clear weather Colour of sky and sun yellowish
0·39	970	928	80 0	64 8	411	41	E	0	"	1	Ditto ditto.
0·44	·968	·926	80·0	64 8	411	41	SSW	0	"	1	Ditto ditto
0 49	·968	926	80 0	65 2	425	41	SSW	0	"	2	Ditto ditto
0·54	968	9·6	80·0	65 2	425	41	Calm	0	"	2	Ditto ditto
0 59	968	·926	80 0	65·2	425	41	Calm	0	"	3	Ditto ditto.
1 4	965	923	79 1	64 4	409	41	Calm	0	"	3	Ditto ditto
1·9	965	923	79 1	64 4	409	41	Calm	0	"	4	Ditto ditto
1 14	965	923	78 7	64 2	408	41	Calm	0	"	4	Ditto ditto.
1 19	965	·923	78 7	64 2	408	41	Calm	0	"	5	Ditto ditto
1 24	966	·924	78 4	63 8	399	41	Calm	0	"	5	Ditto ditto
1·29	966	·924	77 7	64 8	442	47	Calm	0	"	6	Ditto ditto.
1 34	966	924	77 7	64 8	442	47	Calm	0	"	6	Ditto ditto
1 39	967	925	77 7	64 8	442	47	Calm	0	"	7	Ditto ditto
1·44	967	925	76 6	64 8	457	50	Calm	0	"	7	Ditto ditto.
1 49	965	923	76 2	64 8	462	51	Calm	0	"	7	Ditto ditto
1 54	963	·921	75·3	64 8	474	54	Calm	0	"	7	Ditto ditto
1 59	963	921	75 3	64 8	474	54	Calm	0	"	8	Maximum obscuration of sun
2 4	·961	919	75 5	64 8	470	54	Calm	0	"	?	Fine clear weather
2 9	961	910	75 4	64 8	473	54	Calm	0	"	?	
2 14	959	917	76 1	64 8	464	52	Calm	0	"	?	
2 19	959	·917	76 1	64 8	464	52	Calm	0	"	?	
2 24	959	917	76 1	65 3	481	53	Calm	0		?	
2 29	·959	·917	76 1	65·3	481	53	Calm	0	"	?	
2·34	959	917	76·1	65 3	481	53	Calm	0	"	?	Colour of sky becoming blue and of the sun yellow Fine clear weather
2 39	959	·917	76 7	65 3	473	51	Calm	0	"	?	Ditto ditto
2·44	959	·917	76 9	65 8	488	53	Calm	0	"	?	Ditto ditto
2 49	·959	917	77 1	65·8	485	52	Calm	0	"	?	Ditto ditto
2 54	959	917	77 3	63 8	413	44	Calm	0	"		Termination of the eclipse Colour of sky blue and of sun yellow Fine clear weather
3·9	·959	917	77 0	63 3	417	46	Calm	0	"		Fine clear weather
3 19	·959	·917	77 0	63·8	417	46	Calm	0	"		Ditto

No. 9. Lat. 29° 38′ N. RANIKHET. Long. 79° 29′ E.

Four hundred and eight miles from central line of totality. Greatest obscuration 8.

Hour. Madras time.	Barometer. Corrected and red. to 32° F.	Dry bulb corrected.	Wet bulb corrected.	Aqueous vapour pressure.	Relative humidity.	Wind. Direction.	Wind. Amount since preceding interval, in miles per hour.	Cloud proportion.	Proportion of eclipse, totality 10.	Weather and other remarks.
A.M.	″	°	°	″	%					
10·3	24·200	58·6	45·0	·161	33	SW	...	Nil	...	Fine clear weather.
10·15	·198	59·6	45·5	·160	32	W	32	"	...	Ditto ditto
10·33	·198	60·6	46·0	·161	30	W	44	"	...	Ditto ditto
10·45	·198	61·4	46·5	·162	30	W	48	"	...	Ditto ditto
11·3	·188	61·6	46·0	·161	30	SW	40	"	...	Ditto ditto
11·15	·184	61·6	47·0	·173	32	W	52	"	...	Ditto ditto
11·33	·182	60·2	46·1	·168	32	W	50	"	...	Ditto ditto
11·45	·176	59·7	46·0	·170	33	S	68	"	...	Ditto ditto
P.M.										
0·3	·176	60·1	45·5	·156	30	W	52	"	...	Ditto ditto
0·15	·174	60·0	45·7	·153	29	W	80	"	...	Commencement of the solar eclipse.
0·20	·167	60·6	46·0	·161	30	W	72	"		
0·25	·167	60·7	46·0	·159	30	W	72	"	...	
0·31	·167	61·5	46·6	·163	30	W	48	"	...	
0·35	·165	61·6	46·5	·162	30	W	60	"	...	
0·40	·165	60·9	46·2	·161	31	W	72	"	1	Somewhat dark for a short time during the eclipse.
0·45	·165	60·4	45·1	·143	27	W	54	"	1	
0·50	·163	60·6	46·0	·161	31	W	54	"	2	
0·55	·161	61·0	46·5	·167	32	W	36	"	3	
1·0	·161	59·0	45·3	·152	29	W	72	"	3	
1·5	·160	59·6	45·0	·151	29	NW	108	"	4	
1·10	·159	59·6	45·0	·151	29	W	96	"	5	
1·15	·162	59·9	44·5	·152	31	W	96	"	6	
1·21	·161	59·6	44·3	·145	29	W	84	"	6	
1·25	·152	59·0	44·3	·151	31	W	60	"	7	
1·31	·152	57·6	44·1	·152	31	W	72	"	8	
1·35	·148	57·4	44·1	·153	32	SW	40	"	8	
1·40	·146	57·0	44·0	·153	33	W	72	"	8	
1·45	·146	56·7	44·0	·155	34	W	60	"	8	
1·50	·146	56·7	44·1	·160	35	NW	36	"	8	
1·55	·146	56·6	44·0	·160	35	W	60	"	6	
2·0	·144	56·0	44·1	·157	34	W	60	"	6	
2·5	·144	57·4	44·2	·155	32	W	72	"	4	
2·10	·144	57·6	44·6	·161	34	Calm	60	"	2	
2·15	·144	57·6	45·0	·161	33	W	48	"	1	
2·20	·142	58·6	45·0	·161	33	W	48	"	1	
2·25	·142	58·7	45·0	·159	33	W	60	"	1	
2·30	·140	58·6	44·5	·145	31	W	84	"	1	
2·35	·140	58·7	45·0	·159	32	SW	96	"	1	
2·40	·140	59·1	45·0	·159	29	W	96	"	...	
2·45	·139	59·2	45·0	·151	30	W	84	"	...	
2·50	·138	59·6	45·0	·159	29	W	96	"	...	
2·55	·136	59·7	45·1	·158	29	W	96	"	...	Termination of the solar eclipse at 2·55, P.M.
3·00	·136	59·6	45·0	·159	29	W	92	"	...	
3·05	·136	59·4	44·7	·145	29	W	104	"	...	
3·10	·136	59·6	45·1	·151	29	NW	64	"	...	
3·55	·139	58·6	44·1	·149	28	WSW	84	"	...	
4·3	·139	57·6	44·3	·144	29	W	90	"	...	

No. 96 Lat. 14°28 N. **NELLORE** Long 80° 5′ E.

Four hundred and twelve miles from central line of totality Greatest obscuration 8

Madras time	Barometer: Corrected and reduced to 32°F	Barometer: Reduced to sea level and constant gravity	Dry bulb corrected	Wet bulb corrected	Aqueous vapour pressure	Relative humidity	Wind: Direction	Wind: Amount since preceding interval in miles per hour	Cloud proportion	Proportion of eclipse totality to	Weather and other remarks
A M	"	"	°	°	"	%					
10 1	29·990	29 994	81 5	73 7	728	68	WNW		6		10·1 A M to 11·46 A M White clouds upper moving from S E and lower from NW Sky bluish
10 16	985	989	81 7	73 7	727	67	WNW	22 0	6		
10 31	·985	989	82 1	73 8	723	66	WNW	5 6	7		
10·46	983	·987	82 4	73 9	726	65	WNW	8 8	8		
11 1	·85	·989	81 7	73·4	·717	66	WNW	7 2	8		
11·16	976	980	81 7	74 8	730	61	NE	7 6	8		
11·31	·974	978	82 0	73 1	696	64	NE	8 8	8		
11 46	970	974	82 5	73 3	697	63	NE	7 2	8		
11 55	·966	970	82 9	74 1	725	64	NE	8 0	8	0 5	11 55 A M to 0·45 P M Clouds of brick dust colour changing to light amber
12·0	964	·968	83 9	74 8	745	64	NE	7·2	8	0·6	Three spots observed on the face of the sun but they gradually disappeared as the eclipse progressed
P M											
0 5	960	964	83 9	74 8	745	64	NE	8 4	8	0 7	During the eclipse no perceptible darkness, hence stars were not visible Temperature low and wind velocity high during eclipse and a cu clouds—upper from S E and lower from NW—were visible varying in thickness.
0·10	960	·964	83 7	74·7	742	64	NE	6 0	8	1	
0·15	956	·960	83 5	74 4	730	64	NE	10 8	8		
0·20	·954	958	83 3	74 4	732	64	WNW	7 2	9	2	
0 25	952	956	83·9	75 0	749	64	NE	6·0	9	3	Sun s disc completely obscured by clouds
0 30	·948	952	82 7	73·7	714	63	NE	8·4	9	3	
0·35	948	952	82 8	73·9	718	64	NE	9·6	9		
0·40	944	948	82 1	73 9	733	67	NE	7 2	9	4	Sun s disc not clearly visible
0 45	942	·946	81 9	73 7	·722	67	NE	8 4	9		
0·50	940	944	81·9	73 7	722	67	NE	8 4	10	5	0·50 P M to 1 30 P M overcast
0·55	938	942	81 7	73 8	728	68	NE	6·0	10		
1 0	936	·940	81 9	73 8	726	67	NE	6·0	10		
1 5	·934	·938	81 3	73 7	734	69	NE	7 2	10		
1 10	934	938	80 7	73 1	717	68	NE	6·0	10		
1 15	·932	936	80 3	72 8	708	68	NE	7·2	10		
1·20	930	934	79·9	72 4	698	68	NE	8 4	10		
1 25	931	·935	79 8	72 8	717	70	NE	7·2	10	8	1·25 P M to 2·45 P M sun s disc visible
1·30	·929	·933	80·0	73 1	723	71	NE	6·0	10		
1 35	·925	929	79 8	73 0	722	71	NE	8 4	9	7	
1 40	·923	927	79·8	73 4	737	72	NE	7 2	9		
1 45	·921	·925	80 0	73·7	748	73	NE	6·0	9	6	
1 50	917	921	80·0	73·7	748	73	NE	4 8	9		
1 55	915	919	80·2	73 8	749	73	NE	9 6	9	5	1 55 P M to 2·45 P M clouds of brick dust colour changing to light amber
2·0	913	917	79 8	73 7	754	74	NE	6 0	9		
2 5	915	919	79 8	73 5	742	73	NE	8 4	8	4	
2 10	913	917	80·9	74 1	752	72	NE	7 2	6		
2 15	913	917	80·9	74 1	756	72	NE	7 2	5	3	
2 20	·913	·917	80 9	73·9	747	71	NE	10 8	5		
2 25	909	·913	80 0	73·7	748	73	NE	8 4	6	2	
2 30	·911	915	80 9	73 9	747	71	NE	6 0	7		
2 35	·911	·915	81 4	73·9	737	69	NE	8 4	9	1	
2·40	913	917	80 3	73 3	730	70	NE	8 4	9	0·5	
2 45	913	917	81 3	73 5	722	68	NE	8 4	10		
3·0	·917	·921	80 9	73 7	736	71	NE	6 8	10		Overcast
3 15	915	919	80 9	73 8	740	71	NE	8 4	10		Ditto Clouds commencing to decrease
3 30	913	917	82 3	73·9	724	66	NE	9·2	6		Fine weather with passing clouds.
3 45	914	918	80 9	72 9	705	67	NE	8 4	8		Ditto. ditto.
4·0	·916	920	81 0	71·9	661	62	NE	8 8	5		Ditto. ditto

No. 97. Lat. 24° 36′ N. MOUNT ABU. Long. 72° 43′ E.

Four hundred and twenty-three miles from central line of totality. Greatest obscuration 8.

Hour.	Barometer.					Wind.		Cloud.		Proportion of eclipse, totality 10.	Solar radiation thermometer.		Nocturnal radiation thermometer corrected.	Weather and other remarks.
Madras time.	Corrected and reduced to 32°F.	Dry bulb corrected.	Wet bulb corrected.	Aqueous vapour pressure.	Relative humidity.	Direction	Amount since preceding interval, in miles per hour.	Proportion.	Kind.		No. 4680 corrected.	No. 6055 corrected.		
A.M.	°	°	°	″	%						°	°	°	
10-30	26·211	70·3	49·8	·124	17	W	...	Nil	...	...	117·3	122·4	71·8	Clear.
10-45	·209	70·7	49·4	·110	14	WSW	5·5	"	...	...	118·1	123·2	83·7	Do.
11-0	·210	69·8	49·4	·120	16	W	8·5	"	Ci.	...	117·9	124·0	89·7	Cloudy.
11-15	·199	70·3	49·4	·114	15	W	5·4	"	Ci.	...	117·7	125·2	91·9	Do.
11-30	·198	70·1	49·5	·120	17	NW	7·2	1	Ci. Cu. from S.W.	...	119·1	126·4	92·3	Do.
11-45	·197	70·3	49·8	·124	17	SW	2·6	2	A. Cu. from S.	...	120·5	127·4	95·5	Do.
12-0	·195	71·2	5[illegible]·5	·131	18	NW	5·2	3	"	...	123·3	130·2	93·5	Eclipse commenced at 11·57 A.M.
P.M. 0-5	·193	71·2	50·8	·133	18	NW	4·3	3	"	0·5	122·9	130·2	93·7	
0-10	·191	71·2	51·2	·149	19	NW	4·8	3	"	0·8	123·1	130·2	93·7	
0-15	·189	69·7	49·6	·126	19	NW	20·2	2	"	1	114·5	120·2	90·7	Clouds became dim on the west.
0-20	·186	69·9	49·8	·129	19	NW	5·3	2	"	...	112·8	117·4	90·5	Do.
0-25	·184	70·9	50·6	·137	18	SW	18·2	2	"	2	113·3	117·7	90·7	Do.
0-30	·181	71·2	50·4	·128	16	SW	19·0	2	"	2·5	112·3	117·0	91·9	Do.
0-35	·178	70·3	50·2	·134	18	NW	14·9	2	"	...	110·3	114·7	89·9	
0-40	·178	69·9	49·9	·131	18	NW	3·6	1	Ci. from S.E.	...	108·3	112·8	88·7	
0-45	·176	69·9	50·6	·149	20	SW	3·1	0·5	Ci.	3	103·7	107·4	86·7	
0-50	·176	70·1	50·6	·147	20	W	3·0	Nil	...	...	101·8	105·0	86·2	Hazy and dim daylight.
0-55	·177	69·3	49·9	·138	19	NW	4·2	"	...	4	99·8	103·0	83·7	Do.
1-0	·171	68·5	49·8	·145	21	NW	7·0	"	...	...	96·3	97·8	80·6	
1-5	·169	68·5	47·8	·145	21	NW	3·2	"	...	...	89·9	91·2	78·2	
1-10	·169	68·3	49·4	·137	19	NW	3·2	"	...	7	88·3	88·2	76·4	Hazy.
1-15	·165	68·3	49·8	·147	21	NW	1·6	"	...	...	84·7	84·2	75·4	
1-20	·165	67·9	49·6	·147	22	NW	5·4	"	...	8	81·5	81·2	73·0	
1-25	·157	67·8	49·4	·143	20	NW	1·4	"	...	...	80·3	81·2	72·8	
1-30	·153	67·0	49·8	·151	23	NW	2·2	"	...	7	77·8	76·8	72·2	
1-35	·154	67·9	47·8	·151	23	NW	2·4	"	...	6	81·1	77·2	72·0	
1-40	·154	67·9	49·6	·147	21	NW	2·4	"	...	5	83·1	79·7	73·2	
1-45	·152	67·9	50·0	·156	23	NW	2·4	"	...	4	84·7	81·7	73·8	
1-50	·150	68·3	50·2	·157	23	NW	2·9	"	...	...	88·9	86·2	74·6	
1-55	·150	69·3	50·2	·157	23	NW	1·3	"	...	3	91·3	89·2	74·8	
2-0	·150	69·7	50·5	·160	24	NW	2·0	"	...	...	95·5	95·2	77·0	
2-5	·150	68·8	50·6	·161	24	NW	1·3	"	...	2	96·0	97·0	77·6	
2-10	·150	69·3	50·6	·156	22	NW	1·9	"	...	...	103·1	104·4	79·2	
2-15	·147	69·3	50·4	·150	20	NW	1·3	"	...	1	104·1	106·2	80·0	
2-20	·145	70·3	51·5	·165	22	NW	1·9	"	...	...	108·7	111·7	82·8	
2-25	·145	69·8	51·2	·165	22	NW	0·7	"	...	...	111·3	115·4	85·3	
2-30	·147	70·5	51·5	·164	22	NW	2·6	"	...	0·5	112·3	116·2	85·7	
2-35	·149	70·9	51·5	·160	21	NW	2·5	"	...	...	116·5	121·2	88·7	
2-40	·149	71·2	51·9	·167	21	NW	2·5	"	...	...	117·7	122·4	88·9	
2-45	·141	71·4	52·3	·174	22	NW	4·1	"	...	...	118·3	124·0	89·5	Eclipse terminated.
3-0	·141	72·2	53·3	·191	23	WNW	2·0	"	...	...	119·8	126·0	91·2	
3-15	·147	72·7	53·9	·202	25	WNW	1·1	"	...	...	119·8	126·0	94·7	
3-30	·146	71·6	52·5	·177	23	NW	1·0	"	...	...	119·5	125·2	89·2	
3-45	·148	71·2	51·8	·163	21	NW	6·3	"	...	...	118·0	124·4	85·7	
4-0	·151	71·7	53·3	·197	24	NW	2·8	"	...	...	116·8	122·0	84·7	
4-15	·153	70·9	51·5	·159	21	NW	5·4	"	...	...	116·5	120·2	82·0	
4-30	·154	71·2	52·3	·176	22	NW	1·4	"	...	...	113·7	118·0	80·8	

No 98 Lat. 26° 28′N

AJMERE.

Long 74° 37′E

Four hundred and thirty miles from central line of totality Greatest obscuration 8

Hour.	Barometer		Dry bulb corrected	Wet bulb corrected	Aqueous vapour pressure	Relative humidity	Wind		Cloud proportion	Proportion of eclipse, totality 10	Weather and other remarks
Madras time	Corrected and reduced to 32° F	Reduced to sea level and constant gravity					Direction	Amount exceeding in terval, in miles per hour			
A M	"	"	°	°	"	%					
10-22	28 473	30 099	68 3	56 5	·313	45	Calm		Nil		
10 42	466	086	70 4	57 3	310	41	S	0 3	"		
10-52	462	079	71 3	57 7	310	41	S	1 2	"		
11-2	460	073	72 6	58 2	308	38	Calm	4 2	"		
11 12	455	·063	73 8	58 9	314	37	S	1 8	"		
11 22	451	056	74·6	59 2	316	36	S	1 2	"		
11 32	442	044	75 3	59 5	·315	36	S	0·6	"		11 2 A M The sky was exceptionally clear
11-42	438	·034	77 2	60·0	315	34	S	0 6	"		
11 52	·436	032	77 4	60·2	310	33	S	2 4	"		
P M											
0-2	434	·029	77 6	60 4	313	33	S	1 2	"		
0 12	431	025	77 9	60 7	·319	34	S	1 8	"		0-2 P M Eclipse commenced from S E and went on increasing, towards the west.
0-22	429	022	78 3	60 9	319	33	SE	3 6	"	1	
0-32	424	·015	78 6	61 3	329	33	SE	2 4	"	2 at 0·17 P M	
0 42	421	·013	78 3	61·2	331	34	S	1·2	"	3 " 0 27 "	
0-52	416	009	78 1	60 9	322	34	SE	1 2	"	4 " 0 37 "	
1 2	410	004	77 6	60·7	322	34	SE	1 2	"	5	
1 12	408	003	77 1	60 5	323	35	SE	3 0	"	6	
1 22	404	·001	76 4	60·5	331	36	SE	1 8	"	7 " 1 7 "	
1 32	399	29 997	76 1	60·0	319	36	Calm	1·2	"	8 " 1 17 "	1 17 P M It was just like evening
1 42	392	989	76·2	60 6	337	38	SE	0 6	"	7 " 1 37 "	
1 52	385	981	76 3	60 7	339	38	SE	1 8	"	6 " 1 47 "	
2 2	384	979	76·7	60·8	336	36	SE	2 4	"	5 " 1 57 "	
2 12	380	·973	77·3	60 9	·332	35	S	1·2	"	4	
2 22	376	965	78 3	61 2	331	34	S	2 4	"	3 " 2 5 "	
2 32	382	966	79 3	61 6	329	33	S	1 2	"	2 " 2 9 "	
2-42	381	967	79 5	61 7	329	33	S	0 6	"	1 " 2 19 "	
2 52	379	·963	80·4	62 5	343	33	S	1 8	"	0 " 2 47 "	Eclipse terminated at 2 47 P M
3 2	383	965	80·8	62 7	345	33	SE	0·6	"		
3 12	383	964	81 4	63 0	347	32	SW	3·0	"		
3 22	387	967	81 5	62 9	343	32	Calm	0·6	"		
3 32	382	·962	81 8	63 6	359	34	SW	3 0	"		
3 42	385	964	82 0	63 9	370	34	Calm	3 0	"		
3 52	386	965	81 9	63 5	388	33	W	0 6	"		
4 2	397	973	81 3	63 7	·372	35	Calm	1 8	"		
4 12	396	977	81 5	63 8	371	35	Calm	0	"		
4 22	395	976	81 6	63 5	396	37	W	0 6	"		

No. 99. Lat. 26° 55′ N. SAMBHAR. Long. 75° 14′ E.

Four hundred and thirty two miles from central line of totality. Greatest obscuration 8.

Hour.	Barometer.						Wind.				
Madras time.	Corrected and reduced to 32° F.	Reduced to sea-level and constant gravity.	Dry bulb corrected.	Wet bulb corrected	Aqueous vapour pressure.	Relative humidity.	Direction.	Amount since preceding interval, in miles per hour	Cloud proportion.	Proportion of eclipse, totality 10.	Weather and other remarks.
A.M.	"	"	°	°	"	%					
10·20	28·812	30·063	69·5	55·5	·269	38	Calm	...	*Nil*	...	Clear blue sky.
10·35	·814	·064	71·8	56·9	·280	36	Calm	0·4	,,	...	Do.
10·50	·816	·062	73·7	57·7	·280	34	Calm	0	,,	...	Do.
11·5	·810	·054	74·6	58·3	·286	34	Calm	0·4	,,	...	Do.
11·20	·805	·045	76·2	58·8	·281	31	Calm	0·4	,,	...	Do.
11·35	·800	·040	75·9	58·3	·271	30	Calm	0	,,	...	Do.
11·50	·795	·032	77·0	58·7	·268	30	Calm	0	,,	...	Do.
P.M.											
0·5	·791	·033	77·5	58·8	·264	29	WSW	0·8	,,	...	Eclipse commenced at 0·2 P.M.
0·10	·789	·025	77·2	58·7	·265	29	WSW	1·2	,,	1	Clear blue sky.
0·15	·788	·021	78·4	58·5	·246	25	WSW	1·2	,,	1	Do.
0·20	·785	·019	78·2	57·8	·227	23	WSW	2·4	,,	1	Do.
0·25	·784	·019	77·7	57·9	·236	24	WSW	1·2	,,	2	Do.
0·30	·783	·016	78·7	58·8	·250	25	WSW	1·2	,,	2	Do.
0·35	·782	·013	79·0	58·8	·246	25	WSW	1·2	,,	2	Do.
0·40	·779	·013	78·2	57·8	·227	23	WSW	2·4	,,	3	Do.
0·45	·776	·010	78·2	57·8	·227	23	WSW	1·2	,,	3	Do.
0·50	·775	·009	77·8	57·2	·215	22	WSW	1·2	,,	3	Do. Sun light yellow.
0·55	·774	·008	78·2	57·8	·227	23	WSW	1·2	,,	4	Do. do.
1·0	·772	·007	77·6	57·5	·227	24	WSW	1·2	,,	4	Do.
1·5	·770	·005	77·7	57·4	·223	23	WSW	1·2	,,	5	Do.
1·10	·768	·002	77·5	57·3	·221	23	Calm	0	,,	6	Do.
1·15	·764	·001	76·7	57·4	·235	25	Calm	0	,,	7	Sky blue and somewhat milky.
1·20	·762	29·999	76·6	56·9	·220	24	Calm	0	,,	7	Do. darkness increasing.
1·25	·761	·998	76·3	56·6	·215	24	WNW	1·2	,,	7	Do. do.
1·30	·759	·997	76·2	56·8	·223	24	Calm	0	,,	8	Do. do.
1·35	·758	995	76·3	57·6	·244	28	Calm	0	,,	8	Do. do.
1·40	·756	·993	76·3	58·5	·272	31	Calm	0	,,	8	Do. and sunlight yellow.
1·45	·754	·991	76·5	58·6	·271	30	Calm	0	,,	7	Do. do.
1·50	·750	·985	77·0	58·8	·271	30	Calm	0	,,	5	Do. Sun light increasing.
1·55	·748	·984	76·9	57·9	·246	27	Calm	0	,,	4	Do. do.
2·0	·746	·980	77·4	58·0	·243	25	Calm	0	,,	3	Do. do.
2·5	·746	·980	77·4	57·9	·240	25	Calm	0	,,	3	Do. do.
2·10	·745	·978	78·1	57·9	·232	24	Calm	0	,,	2	Sky blue, fine clear weather.
2·15	·745	·974	78·7	58·5	·242	25	Calm	0	,,	2	Do.
2·20	·745	·978	78·0	57·6	·223	23	Calm	0	,,	2	Do.
2·25	·745	·977	78·7	58·2	·232	23	Calm	0	,,	1	Do.
2·30	·743	·972	79·4	58·4	·230	22	WSW	1·2	,,	1	Do.
2·35	·742	·971	79·3	57·8	·214	21	WSW	1·2	,,	1	Do.
2·40	·740	·969	79·5	58·4	·229	22	WSW	1·2	,,	1	Do.
2·45	·742	·969	80·4	58·8	·229	22	WSW	1·2	,,	1	Do.
2·50	·742	·971	79·6	58·2	·221	21	WSW	1·2	,,	0	Do. Eclipse terminated at 2·49 P.M.
3·5	·744	·969	81·0	59·4	·241	22	WSW	2·0	,,	...	Do.
3·20	·744	·969	81·2	59·6	·243	23	WSW	1·6	,,	...	Do.
3·35	·744	·969	81·0	59·6	·245	23	WSW	0·8	,,	...	Do.
3·50	·745	·972	80·6	59·2	·239	22	W	2·0	,,	...	Do.
4·5	·749	·975	80·9	59·2	·235	22	W	1·6	,,	...	Do.
4·20	·752	·977	81·0	59·4	·241	22	W	1·6	,,	...	Do.

No 100. Lat 28° 40′ N. DELIII. Long 77° 16′E

Four hundred and thirty three miles from central line of totality Greatest obscuration 8

Hour	Barometer			Dry bulb corrected	Wet bulb corrected	Aqueous vapour pressure	Relative humidity	Wind		Cloud proportion	Proportion of eclipse totality to	Weather and other remarks
Madras time	Corrected and reduced to 32° F	Reduced to sea level and constant gravity						Direction	Amount in miles per hour			
A M	"	"		°	°	"	%					
10 12	29 314	30 025		67 3	55·2	·277	41	NW		Asl		
10 22	315	·025		68 3	55 7	·278	41	WNW	4 8	"		
10-32	316	·025		68 8	55 2	·257	37	WNW	7·2	"		
10 42	·316	·024		69 3	55 7	265	38	NW	7 2	"		Clear sky and slightly hazy
10-52	·317	024		69 8	55 7	258	36	NW	7 2	"		
11 2	321	028		70 3	55·2	237	32	NW	7 8	"		
11 12	316	021		71 2	56 2	254	33	WNW	8 4	"		
11-22	316	·020		72 2	56 7	256	33	WNW	6 0	"		
11 32	314	017		72 7	56 7	249	31	NW	7·2	"		
11 42	312	014		73 2	57 2	257	31	NW	6·6	"		
11 52	309	010		74 2	57 7	259	31	NW	6·0	"		Blue sky W to NE
P M												
0 2	304	·005		74 2	57 7	259	31	NW	8 4	"		
0-12	299	29 997		75 2	57 7	246	28	NW	5 4	"		
0 22	299	997		75 2	57 2	·231	26	NW	9·0	"	1	Eclipse began at 0-17 P M
0-32	293	·991		75 4	57 7	·244	27	NW	6 0	"	2	
0 42	290	987		76 2	58 2	248	27	NW	9·0	"	3	
0 52	286	·983		76 2	58 2	·248	27	NW	4·2	"	4	Sunshine yellowish
1 2	·280	977		75·7	57 7	239	27	WNW	7 8	"	4 5	Do
1 12	276	973		75·7	57 2	224	25	NW	4 8	"	4 8	Do
1 22	272	·969		75 2	57 2	·231	26	NW	9 0	"	5	
1 32	·268	967		74 7	57 2	237	27	NW	6·0	"	6	
1 42	266	·966		74 2	57 2	244	29	NW	6·6	"	7	
1 52	272	·972		74 2	57 7	259	31	NW	5 4	"	8	
2 2	·264	964		73 7	57 7	266	32	NW	3 0	"	6	
2 12	266	·966		74 2	57 7	259	31	NW	3 0	"	5	
2 22	264	·964		74 2	57·7	·259	31	NW	3 6	"	3	
2-32	262	·959		75 2	58 2	261	30	NW	6 0	"	2	
2 42	260	956		76 2	58 2	248	27	NW	6·0	"	1	
2 52	258	954		76·7	58 2	·241	26	NW	6·0	"	0·5	Eclipse terminated Clear sky
3 2	259	953		77 2	58·2	234	25	WNW	5 4	"		
3 12	259	952		78 2	58 7	·237	25	WNW	7 8	"		
3 22	261	·955		77 7	57 7	·213	23	NW	8 4	"		
3 32	·261	955		77 2	57·7	·219	24	NW	8 4	"	—	
3 42	·263	956		78 2	58 2	·221	23	NW	6 6	"		
3 52	264	957		78 2	58·2	221	23	NW	6·0	"		Fine clear sky
4 2	·264	958		77 7	57 7	213	23	WNW	5 4	"		
4 12	·262	956		77 7	57 7	·213	23	WNW	5·4	"		

No. 101. Lat. 22° 48′ N. NOAKHALI. Long. 91° 6′ E.

Four hundred and thirty-four miles from central line of totality. Greatest obscuration 8.

Hour.	Barometer.		Dry bulb corrected.	Wet bulb corrected.	Aqueous vapour pressure.	Relative humidity.	Wind.		Kind of cloud.	Proportion of eclipse, totality 10.	Weather and other remarks.
Madras time.	Corrected and reduced to 32° F.	Reduced to sea-level and constant gravity.					Direction.	Amount since preceding interval, in miles per hour.			
A.M.	″	″	°	°	″	%					
9·17	30·028	30·020	65·8	62·3	·517	81	ENE	...	Ci.	...	Fair weather.
9·32	·028	·020	66·8	62·3	·503	76	ENE	4·8	"	...	No unusual appearance of the sun or of the sky at the time of greatest obscuration observed.
9·47	·025	·016	67·0	62·3	·501	75	ENE	0·8	"	...	
10·2	·023	·015	67·8	62·3	·490	72	ENE	0	"	...	
10·17	·019	·010	68·2	62·7	·498	72	NNE	6·0	"	...	
10·32	·008	29·999	68·4	62·3	·482	70	NNE	1·6	"	...	
10·47	·005	·996	68·8	62·9	·495	70	ENE	9·2	"	...	
11·2	29·998	·989	69·8	62·3	·463	63	E	0·8	"	...	
11·17	·995	·986	70·0	62·3	·460	63	NE	0·4	"	...	
11·32	·983	·974	69·4	61·9	·455	63	SW	0·4	"	...	
11·47	·978	·969	70·4	62·3	·455	61	ENE	2·0	"	...	
P.M.											
0·2	·972	·963	69·8	61·1	·424	58	NNE	3·2	"	...	
0·17	·966	·957	70·4	61·1	·416	56	WNW	3·2	"	...	
0·32	·960	·951	70·2	60·1	·387	53	E	3·6	"	1	
0·47	·952	·943	70·8	63·3	·483	64	SSW	1·2	"	1	
0·52	·952	·943	70·8	63·1	·476	63	SSW	3·6	"	...	
0·57	·950	·941	70·8	62·3	·450	59	SSW	3·6	"	...	
1·2	·950	·941	70·8	62·3	·450	59	SW	3·6	"	...	
1·7	·950	·941	70·8	62·3	·450	59	S	3·6	"	...	
1·12	·950	·941	71·2	62·3	·443	57	SSW	9·6	"	4	
1·17	·948	·939	70·8	62·3	·450	59	SW	3·6	"	...	
1·22	·944	·935	70·8	62·3	·450	59	SW	3·6	"	5	
1·27	·944	·935	70·8	62·3	·450	59	SW	3·6	"	...	
1·32	·944	·935	70·8	62·3	·450	59	SSW	3·6	"	6	
1·37	·942	·933	70·8	62·3	·450	59	S	3·6	"	7	
1·42	·944	·935	70·6	62·3	·452	60	S	3·6	"	8	
1·47	·942	·933	70·6	62·3	·452	60	SSW	3·6	"	8	
1·52	·942	·933	70·6	62·3	·452	60	S	3·6	"	8	
1·57	·942	·933	70·6	62·3	·452	60	S	2·4	"	8	
2·2	·938	·929	70·4	62·5	·460	62	SW	1·2	"	7	
2·7	·942	·933	70·2	63·3	·460	66	SW	2·4	"	6	
2·12	·942	·933	70·2	63·3	·490	66	SSW	2·4	"	5	
2·17	·942	·933	70·2	63·3	·490	66	SW	2·4	"	...	
2·22	·942	·933	70·2	64·3	·524	70	SW	1·2	"	4	
2·27	·942	·933	70·2	64·3	·524	70	SSW	1·2	"	...	
2·32	·941	·932	70·2	64·7	·539	73	SW	2·4	"	2	
2·37	·941	·932	69·8	64·7	·545	74	SW	2·4	"	1	
2·42	·941	·932	69·8	64·7	·545	75	SW	1·2	"	...	
2·47	·941	·932	69·8	64·7	·545	75	S	2·4	"	...	
2·52	·939	·930	69·8	65·3	·565	77	SSW	6·0	"	...	
2·57	·939	·930	69·8	65·3	·565	77	SSW	2·4	"	...	
3·2	·939	·930	70·2	65·3	·559	75	S	2·4	"	...	
3·17	·940	·931	70·2	64·7	·539	73	SW	2·4	"	...	Eclipse terminated.

No. 102, Lat. 9° 58′ N. **COCHIN.** Long. 76° 17′ E

Four hundred and sixty-five miles from central line of totality. Greatest obscuration 8.

Hour	Barometer			Dry bulb corrected.	Wet bulb corrected.	Aqueous vapour pressure	Relative humidity	Wind		Cloud		Direction of motion.	Proportion of eclipse, totality 10	Weather and other remarks.
Madras time	Corrected and reduced to 32° F	Reduced to sea level and constant gravity						Direction	Amount since preceding interval, in miles per hour	Proportion	Kind			
A.M	"	"		°	°	"	%							
10·31	29·892	29·829		82·9	67·0	·450	40	N	"	Nil	...	...	...	
10·46	·893	·830		83·0	69·0	·522	46	NW	1·6	"	"	...	"	
11·1	·891	·828		84·3	70·0	·543	46	NW	5·2	"	"	"	"	Blue sky.
11·16	·885	·822		84·4	69·6	·526	44	WNW	4·8	"	...	"	...	
11·31	·882	·819		84·6	69·6	·523	44	WNW	3·6	"	...	"	...	
11·46	·879	·816		84·6	69·8	·531	44	WNW	2·8	"	...		.	Ditto. Eclipse commenced from W
11·51	·879	·816		84·8	70·0	·536	44	WNW	6·0	"	"	"	1	
11·56	·877	·814		85·0	70·2	·541	44	WNW	4·8	"		.	..	
P.M										"	"		...	
0·1	·877	·814		85·0	70·0	·533	44	WNW	16·8	"	.			Ditto.
0·6	·877	·814		84·4	69·8	·534	45	WNW	9·6	"	.		2	
0·11	·875	·812		84·3	69·8	·538	46	W	9·6	"	.	..	.	
0·16	·875	·812		84·3	69·8	·538	46	W	9·6	"	.	...	.	Sky brilliant as before
0·21	·874	·811		84·2	70·0	·544	46	W	9·6	1	Ci		3	
0·26	·875	·812		83·8	69·8	·542	47	W	8·4	1	Ci	..	..	
0·31	·874	·811		83·8	69·8	·542	47	WNW	4·8	1	Ci.	...	...	
0·36	·872	·809		83·3	69·2	·526	46	W	4·8	2	Ci.	E to W	...	A perceptible coolness in the atmosphere
0·41	·868	·805		82·8	69·1	·528	47	W	12·0	2	Ci	E to W	...	
0·46	·868	·805		81·9	68·9	·533	49	W	6·0	2	Ci.	E to W	4	
0·51	·864	·801		81·8	68·7	·552	49	W	9·6	2	Ci	E to W		
0·56	·864	·801		81·3	68·4	·522	48	W	7·2	2	Ci.	E to W	...	
1·1	·864	·801		81·3	68·4	·522	48	W	3·6	2	Ci	E to W	5	
1·6	·864	·801		80·0	67·8	·517	50	W	4·8	3	Ci.	.	..	
1·11	·862	·799		79·8	67·8	·520	51	W	3·6	3	Ci	...	6	
1·16	·862	·799		79·8	67·6	·513	50	W	4·8	3	Ci	...	.	
1·21	·862	·799		79·8	67·7	·517	51	WSW	7·2	4	Ci A Cu	..	7	
1·26	·860	·797		80·3	68·2	·529	51	WNW	3·6	4	Ci A Cu	..	..	
1·31	·858	·795		79·8	68·0	·528	52	W	4·8	5	Ci A. Cu	...	...	Atmosphere became still Cattle wend their way homewards just as if it was evening
1·36	·858	·795		80·3	68·0	·521	50	WNW	6·0	6	Ci A Cu	...	...	
1·41	·858	·795		80·6	68·0	·518	50	WNW	6·0	8	Ci A Cu	.	8	
1·46	·858	·795		81·3	68·8	·537	50	W	6·0	8	Ci A Cu	.	?	
1·51	·858	·795		82·3	69·5	·550	50	W	6·0	9	Ci A Cu	..	?	
1·56	·866	·803		83·8	70·0	·549	47	W	8·4	9	Ci A. Cu		?	
2·1	·866	·803		83·8	70·0	·549	47	W	8·4	9	Ci A. Cu		?	
2·6	·854	·791		83·9	70·1	·552	47	W	7·2	9	Ci A Cu	.	?	
2·11	·854	·791		84·0	70·2	·554	47	WNW	9·6	9	Ci A Cu		?	
2·16	·852	·789		83·0	70·0	·560	49	W	6·0	9	Ci A Cu	..	?	
2·21	·852	·789		82·8	69·7	·552	49	W	8·4	9	Ci A Cu	...	?	
2·26	·852	·789		83·3	70·0	·556	48	W	3·6	9	Ci A Cu	..	?	
2·31	·847	·784		83·1	69·8	·551	48	WNW	6·0	9	Ci A Cu	...	?	
2·36	·847	·784		83·8	70·1	·553	48	W	3·6	9	Ci A. Cu	..	?	
2·51	·841	·778		82·2	69·2	·540	49	WSW	6·0	9	Ci A. Cu	...		
3·6	·841	·778		82·7	69·4	·541	48	W	4·0	10	Ci S	..	..	The sun became wholly visible
3·21	·841	·778		82·7	69·8	·556	50	W	4·8	10	Ci. S.	...	...	
3·36	·837	·774		82·8	70·0	·563	50	WNW	5·6	10	Ci S	...	...	Overcast.
3·51	·837	·774		84·3	70·2	·551	47	NW	9·6	10	Ci S	...	...	
4·6	·837	·774		84·3	70·3	·555	47	WNW	5·6	9	A. Cu	...	...	
4·16	·837	·774		83·8	70·8	·567	50	W	9·6	9	A Cu	...	...	Partially cloudy
										7	A. Cu	...	...	

No. 103. Lat. 29° 52′ N. ROORKEE. Long. 77° 56′ E.

Four hundred and sixty-eight miles from central line of totality. Greatest obscuration 8.

Hour. Madras time.	Barometer. Corrected and reduced to 32° F.	Barometer. Reduced to sea-level and constant gravity.	Dry bulb corrected.	Wet bulb corrected.	Aqueous vapour pressure.	Relative humidity.	Wind. Direction.	Wind. Amount since preceding interval, in miles per hour.	Cloud proportion.	Proportion of eclipse, totality 10.	Weather and other remarks.
	″	″	°	°	″	%					
A.M. 10h 0	29·133	30·030	62·4	52·4	·263	46	NW	...	*Nil*	...	Fine weather.
10·15	·133	·028	63·4	52·8	·260	45	NW	1·0	"	...	Ditto.
10·30	·130	·022	64·8	53·4	·257	41	Calm	0·2	"	...	Ditto.
10·45	·126	·018	65·4	54·0	·265	42	Calm	0·5	"	...	Ditto.
11·0	·126	·017	66·2	55·0	·286	44	E	0·3	"	...	Ditto.
11·15	·122	·012	66·7	55·0	·280	42	Calm	0	"	...	Ditto.
11·30	·118	·003	69·1	56·0	·277	39	Calm	0·2	"	...	Ditto.
11·45	·107	29·990	69·3	56·6	·292	41	Calm	0·2	"	...	Ditto.
12·0 P.M.	·103	·983	70·9	56·8	·277	37	Calm	0·2	"	...	Ditto.
0·15	·099	·977	72·3	57·6	·282	36	Calm	0·6	"	...	Blue sky (the first contact at 0—10′·12″ P.M.) Fine weather and blue sky.
0·20	·095	·972	72·5	57·1	·264	33	Calm	1·2	"	1	
0·25	·093	·970	72·9	57·1	·260	32	Calm	0	"	1	Ditto.
0·30	·091	·968	72·9	57·1	·260	32	Calm	0	"	1	Ditto.
0·40	·089	·966	73·1	57·1	·256	31	SSW	0·3	"	2	Ditto, light getting weak and dim.
0·50	·087	·961	74·1	58·3	·280	33	Calm	0·4	"	3	Ditto, ditto.
0·55	·080	·953	74·1	58·5	·286	35	W	1·2	"	4	Ditto, ditto.
1·0	·080	·953	73·9	58·1	·277	33	Calm	0·5	"	4	Ditto, ditto.
1·5	·078	·951	73·8	58·1	·278	33	Calm	0	"	5	Ditto, ditto.
1·15	·076	·949	73·8	58·4	·286	34	Calm	0·2	"	6	Ditto, ditto, colour of the sky brownish.
1·20	·074	·949	73·3	58·3	·287	35	Calm	0	"	7	Ditto, ditto, ditto.
1·25	·078	·953	72·8	57·9	·283	35	Calm	0	"	7	Ditto, ditto, ditto.
1·30	·071	·946	72·5	58·1	·294	37	Calm	0	"	8	Ditto, ditto.
1·35	·069	·946	72·3	58·1	·297	38	Calm	0	"	8	Ditto, ditto
1·40	·069	·946	72·1	58·3	·306	39	Calm	0	"	8	Ditto, ditto.
1·45	·069	·947	71·5	57·9	·301	40	Calm	0	"	7	Ditto, ditto.
1·50	·067	·945	71·3	56·5	·263	35	NW	1·2	"	7	Ditto, ditto.
1·55	·065	·943	71·3	56·8	·271	36	NW	1·2	"	6	Ditto, ditto.
2·0	·065	·943	71·5	56·8	·269	35	NW	1·2	"	5	Ditto, ditto.
2·5	·065	·942	72·1	56·8	·261	33	NW	2·4	"	4	Ditto. Began to get brighter and sky blue
2·10	·065	·942	72·3	57·1	·267	31	NW	3·6	"	3	Ditto, ditto.
2·15	·065	·941	72·5	57·1	·264	33	NW	1·2	"	3	Ditto, ditto.
2·20	·063	·939	73·1	57·1	·256	31	NW	2·4	"	2	Ditto, ditto.
2·25	·063	·938	73·3	57·1	·254	31	NW	4·8	"	1	Weather fine, sky blue.
2·30	·059	·933	73·7	57·1	·248	30	NW	3·6	"	1	Ditto.
2·40	·063	·935	74·3	57·1	·241	28	NW	1·2	"	1	Ditto.
2·45	·063	·935	74·6	57·3	·243	28	NW	1·2	"	1	Ditto.
2·50	·063	·935	74·6	57·3	·243	28	NW	0	"	1	Ditto.
2·55	·065	·936	75·1	57·9	·251	29	NW	2·4	"	...	Ditto. Eclipse terminated. (Last contact at 2-54′·45″ P.M.
3·10	·064	·934	75·3	58·1	·258	29	NW	2·4	"	...	Fine clear sky.
3·25	·063	·938	75·3	57·9	·250	28	NW	1·6	"	...	Ditto.
3·40	·069	·939	75·3	58·0	·251	29	NNW	4·8	"	...	Ditto.
4·0	·073	·944	75·1	57·9	·258	29	NNW	3·0	"	...	Ditto.

No. 104. Lat. 11°39′ N. SALEM. Long. 78° 12′ E.

Four hundred and eighty miles from central line of totality. Greatest obscuration 8.

Hour. Madras time.	Barometer. Corrected and reduced to 32° F.	Barometer. Reduced to sea-level and constant gravity.	Dry bulb corrected.	Wet bulb corrected.	Aqueous vapour pressure.	Relative humidity.	Wind. Direction.	Wind. Amount since preceding interval, in miles per hour.	Cloud. Proportion.	Cloud. Kind	Proportion of eclipse, totality 10.	Weather and other remarks
A.M.	″	″	°	°	″	%						
10-8	29·086	29·976	77·7	70·9	·666	70	E	...	9	S Cu.	...	The sky was almost covered by strato-cumulus and the neighbourhood of the sun by alto-stratus clouds
10-23	·085	·973	78·5	69·7	·607	61	ENE	7·2		S. Cu.	...	
10-38	·083	·971	78·6	69·7	·607	61	ENE	7·6		S. Cu	...	
10-53	·081	·967	79·4	70·4	·624	61	ENE	6·0		S. Cu	...	
11-8	·077	·963	79·0	70·7	·632	62	ENE	3·6		S. Cu.	..	
11-23	·075	958	80·8	69·9	585	56	ENE	7·6		S. Cu.	...	
11-38	·071	·955	80·5	70·3	·606	57	ESE	7·2		S. Cu	...	
11-53	·066	·948	81·6	71·5	·638	60	ESE	9·2		A. S & S. Cu	...	
11-58 P.M.	·064	945	81·3	71·7	643	60	ENE	8·4		A. S. & S Cu	1	
0·3	·062	·943	81·9	71·8	646	60	ENE	8·4		A. S. & S. Cu	...	Daylight diminishing and sky looking more and more yellow
0·8	·060	·939	82·5	71·9	·641	58	ENE	9·6		A. S. & S. Cu.	2	
0·13	·058	·937	82·5	71·8	·637	57	ESE	9·6		A. S. & S. Cu	...	
0·18	·056	·935	82·3	71·7	·637	58	ENE	7·2		A. S. & S. Cu.	3	
0·23	052	·932	82·1	71·9	646	59	ESE	7·2		A. S & S. Cu.	...	
0·28	·052	·932	82·0	71·8	·644	59	ESE	4·8		A. S. & S. Cu.	4	
0·33	·050	·932	81·7	71·7	641	60	E	4·8		A. S & S. Cu.	...	
0·38	·048	929	81·3	71·7	·650	61	SE	8·4		A. S & S. Cu	5	
0·43	·046	·927	81·3	71·8	·653	61	E	7·2		A. S. & S. Cu.	...	
0·48	·044	·926	81·2	71·8	653	61	SSE	10·8		A. S & S. Cu.	6	
0·53	·044	·926	81·2	71·9	·658	61	ESE	6·0		A. S & S. Cu	...	
0·58	·040	922	81·2	71·8	·653	61	E	6·0		A. S. & S. Cu	7	
1·3	·035	·917	81·1	71·7	·650	61	NE	7·2		A. S & S. Cu.	..	
1·8	·036	920	80·3	71·7	·663	64	ESE	4·8		A. S. & S Cu.	8	Between 1·8 P.M. and 2·38 P.M. the sun was completely hidden under clouds.
1·13	·032	916	80·2	71·6	·661	64	ESE	8·4		A. S. & S Cu	?	
1·18	·032	·916	79·9	71·5	·659	64	ESE	9·6		A. S & S Cu	?	
1·23	·032	917	79·5	71·4	·662	66	ENE	9·6		Cu. N & S. Cu	?	
1·28	·030	·915	79·3	71·5	·668	67	ESE	6·0		Cu N. & S. Cu.	?	
1·33	·026	·912	79·1	71·5	·671	68	ENE	12·0		Cu. N. & S. Cu.	?	
1·38	·024	·911	78·6	71·6	·682	70	ENE	10·8		Cu N. & S. Cu	?	Heavy masses of cumulus clouds caused very slight drizzling for 3 minutes The quantity received was less than half a cent.
1·43	·024	·911	78·5	71·7	·687	71	ENE	13·2		Cu. N. & S. Cu.	?	
1·48	024	·911	78·4	71·6	685	71	ENE	7·2		Cu. N. & S. Cu.	?	
1·53	·025	·912	78·3	71·6	·686	71	ENE	9·6		Cu. N. & S. Cu.	?	
1·58	·023	·911	78·2	71·6	·688	72	ENE	6·0		S. Cu.	?	
2·3	·021	·909	78·1	71·5	·685	72	ENE	7·2		S. Cu	?	
2·8	·021	·909	78·0	71·5	686	72	ENE	6·0		S. Cu.	?	
2·13	·019	·906	78·0	71·5	·686	72	ENE	12·0		S. Cu	?	
2·18	·017	·903	78·3	71·6	·686	71	ENE	8·4		S Cu.	?	
2·23	·015	·901	78·5	71·7	·687	71	ENE	7·2		S. Cu.	?	
2·28	·013	899	78·7	71·8	·687	70	ENE	9·6		S Cu.	?	
2·33	·013	·898	78·8	71·8	·687	70	ENE	7·2		S. Cu.	?	
2·38	·011	·896	79·0	71·9	·688	70	ENE	10·8		S. Cu	...	The sun is again visible, eclipse ended, and sun as usual.
2·53	·011	897	78·3	71·6	·682	70	ENE	4·4		S. Cu.	...	
3·8	·007	893	78·6	71·6	·682	70	ESE	3·6		S. Cu.	...	
3·23	·011	896	78·8	69·4	·593	60	ESE	4·4		S. Cu.	...	
3·38	·011	897	78·7	69·5	·600	61	ESE	4·4		S. Cu.	...	
3·53	·011	·897	78·5	69·6	·603	61	ENE	3·2		S. Cu	...	
4·8	·013	·897	79·3	70·6	·633	63	ENE	3·2		S. Cu	...	

Cloud proportion between 8 and 10 from 11 A.M. to 4 P.M.

No. 105. Lat. 22° 21′ N. CHITTAGONG. Long. 91° 50′ E.

Four hundred and eighty-two miles from central line of totality. Greatest obscuration 8.

Hour.	Barometer.						Wind.		Cloud.				
Madras time.	Corrected and reduced to 32° F.	Reduced to sea-level and constant gravity.	Dry bulb corrected.	Wet bulb corrected.	Aqueous vapour pressure.	Relative humidity.	Direction.	Amount since preceding interval, in miles per hour.	Proportion.	Kind.	Direction of motion.	Proportion of eclipse, totality 10.	Weather and other remarks.
A.M.	″	″	°	°	″	%							
9·14	29·998	30·036	71·0	67·2	·616	81	NNE	...	*Nil*	...	...	...	Heavy haze extending from NW to N E.
9·29	·994	·032	72·0	67·1	·599	76	E	5·2	,,	...	...	...	Ditto
9·44	·991	·028	74·7	68·8	·625	72	SE	3·2	,,	...	...	...	Sun dark-red colour.
9·59	·986	·023	75·5	68·9	·620	71	E	23·2	,,	...	...	...	Ditto
10·14	·982	·019	76·4	69·0	·610	67	E	2·8	,,	...	...	...	Ditto
10·29	·972	·009	77·3	69·9	·633	67	SE	6·0	,,	...	...	...	Ditto
10·44	·967	·003	78·8	69·0	·651	66	S	4·4	,,	...	...	...	Ditto
10·59	·961	29·997	78·5	71·0	·663	68	ESE	4·8	,,	...	...	...	Ditto
11·14	·953	·989	78·8	69·8	·609	61	SE	4·0	,,	...	...	...	Ditto
11·29	·940	·976	80·1	71·1	·636	62	SSE	5·2	1	Ci. S.	N to S	...	Ditto
11·44	·936	·972	80·2	71·9	·672	65	NE	2·8	3	Ci., Ci. S.	N to S	...	Ditto
11·59	·926	·962	80·8	69·9	·586	55	SSE	3·2	3	Ci. S.	N to S	...	Ditto
P.M.													
0·14	·916	·952	81·3	71·0	·622	58	ESE	9·6	2	Ci to S.	N to S	...	Ditto
0·29	·912	·948	80·9	70·7	·615	59	SE	2·0	2	Ci. S.	NWtoSE	1	
0·44	·907	·943	79·8	70·2	·611	60	SE	4·8	2	Ci. S.	NWtoSE	2	
0·51	·907	·943	80·5	71·0	·632	60	SSW	24·9	3	Ci. S.	NWtoSE	3	
1·1	·905	·941	80·2	70·7	·625	60	SE	12·6	3	Ci. S.	W to E	3	
1·10	·903	·939	79·6	70·4	·621	61	SE	8·0	3	Ci. S.	W to E	3	
1·19	·899	·935	78·7	70·1	·622	63	S	2·0	*Nil*	...	...	4	
1·26	·899	·935	78·4	72·0	·736	76	NW	1·7	,,	...	...	5	Horizon still hazy from NNW to N E.
1·39	·896	·933	77·4	72·3	·726	77	WSW	5·1	,,	...	...	...	Heavier haze to N.
1·49	·894	·931	76·1	71·7	·718	80	WNW	7·2	,,	...	...	7	,,
1·54	·894	·931	75·4	71·1	·705	80	WSW	6·0	,,	...	...	7	North clearer, SE and S W clear.
2·4	·897	·934	75·0	71·4	·722	83	W	2·4	,,	...	...	5	Eclipse began to diminish.
2·16	·893	·930	75·2	71·6	·728	83	W	6·0	,,	...	...	4	
2·26	·893	·930	75·5	71·0	·700	79	WNW	4·2	,,	...	...	3	
2·36	·891	·928	75·9	70·4	·671	75	WNW	4·2	,,	...	...	2	
2·46	·889	·926	76·8	70·9	·678	73	NW	3·6	,,	...	...	1	,, very slightly observable.
2·59	·887	·924	76·4	71·0	·687	75	W	5·1	,,	...	...	...	Clear.
3·14	·891	·928	76·8	71·1	·688	75	W	2·8	,,	...	...	...	,,
3·29	·893	·930	76·2	70·1	·655	73	WNW	4·8	,,	...	...	...	,,

No 106 Lat 30° 20′ N DEHRA DUN. Long 78° 8′ E

Four hundred and eighty five miles from central line of totality Greatest ob curatson 6

Hour.	Barometer						Wind				
Madras time	Corrected and reduced to 32° F	Reduced to sea level and constant gravity	Dry bulb corrected	Wet bulb corrected	Aqueous vapour pressure	Relative humidity	Direction	Amount in miles per hour	Cloud opacity	Proportion of eclipse, in totality	Weather and other remarks
A M	"	"	°	°	"	%					
10·0	27·759	30·015	64 2	52·7	·258	43	SW		*Nil*		
10 15	759	013	64 8	52 5	·245	40	SW		"		
10 30	758	005	66 3	53 3	248	38	SW		"		
10 45	760	29·995	68 5	54 3	249	35	SW		"		
11 0	758	991	69 6	54 3	234	33	SW	1	"		
11 15	754	980	70 9	54 3	·219	29	SW		"		
11 30	748	970	71 7	54 4	·214	26	SW	2	"		
11 45	740	959	72 2	53 8	187	24	SW		"		
12·0	737	954	72 6	54 4	200	25	SW	2	"		
P M											
0·15	732	947	73·0	55 2	217	26	SW		"		First contact at about 0·12 P M
0·20	727	·937	74 1	55 5	212	26	SW		"		
0·25	725	·935	74 1	55 3	·206	24	SW			1	
0 30	722	935	73 6	54 3	185	21	SW	2	"		
0·35	721	931	74 0	54 4	183	21	SW		"		
0·45	·719	933	73·0	54 2	189	23	SW		"	2	
0·50	714	926	73 5	55 3	214	26	SW	2	"		
1 0	713	·927	73·0	55 1	·214	26	SW		"	5	
1 5	710	925	72 7	55 2	221	27	SW		"		Light assuming a dull pale colour
1 15	709	929	71 5	54·2	208	26	SW	4	"	6	
1 20	707	·929	70 9	54·6	226	30	SW		"	7	
1 30	707	·932	70 2	55 1	250	34	SW	4	"	8	
1 35	707	933	70 0	55·3	258	35	SW		"	9	
1·45	707	937	69 2	55·3	266	37	SW		"		
1 50	707	937	69·3	56 2	291	41	SW		"		
2 0	707	938	68 9	55 6	279	40	SW	4	"		
2 5	707	941	68·2	54 4	254	36	SW		"		
2 10	709	943	68·3	54 4	252	36	SW		"		
2 15	711	944	68 7	54 5	252	36	SW		"	9	Light beginning to recover brightness
2 20	·714	·946	69 1	55 1	263	37	SW		"		
2 25	·714	941	69·5	55·9	·280	39	SW	2 4	"		
2 30	714	949	68 3	54 4	252	36	SW				
2 35	714	949	68 2	54 2	·249	36	SW	6			
2 40	714	945	69 2	55 2	264	37	SW				
2·45	715	947	68 9	55·0	·261	37	SW		"		
2 50	·715	947	69·1	55 3	268	37	SW		"		
2 55	·715	945	69 6	55 7	272	38	SW		"		Last contact
3 0	716	·947	69·3	55·0	·257	36	SW	2 4	"		Eclipse over
3 15	720	950	69·7	55 4	263	36	SW	4	"		
3 30	7 1	·956	68 6	54 9	·264	38	SW	4	"		
3 45	723	957	68 8	55·3	272	38	SW		"		
4·0	723	·959	68 3	55 6	286	41	SW	2	"		

No. 107. Lat. 25° 55′ N. PACHPADRA. Long. 72° 18′ E.

Five hundred and five miles from central line of totality. Greatest obscuration 8.

Hour.	Barometer.		Dry bulb corrected.	Wet bulb corrected	Aqueous vapour pressure.	Relative humidity.	Wind.		Cloud.		Proportion of eclipse, totality 10.	Weather and other Remarks.
Madras time.	Corrected and reduced to 32° F.	Reduced to sea-level and constant gravity.					Direction.	Amount since preceding interval, in miles per hour.	Kind.	Direction of motion.		
A.M.	″	″	°	°	″	%						
10·32	29·713	30·064	72·0	55·3	·218	28	E	...	Ci.	WNWtoESE	...	
10·47	·714	·062	74·6	54·5	·161	19	ESE	9·2	Ci.	NNE toSSW	...	
11·2	·709	·057	76·2	55·5	·168	20	ESE	7·6	Ci.	NNE toSSW	...	
11·17	·704	·051	77·2	56·0	·169	18	ESE	8·4	Ci.	NW to SE	...	
11·32	·704	·050	78·4	56·5	·166	18	E	5·2	...	...	...	
11·47	·700	·044	79·2	55·9	·140	14	ESE	7·2	...	...	...	
P.M.												
0·2	·697	·039	81·4	57·7	·164	16	ESE	10·0	...	...	...	
0·12	·693	·034	82·1	57·3	·142	12	ESE	9·6	...	...	...	Eclipse commenced from south-west; sky clear; hazy horizon.
0·17	·692	·032	82·5	57·7	·149	13	ESE	2·4	...	...	...	
0·22	·689	·030	83·0	58·2	·157	13	ESE	4·8	...	...	1	
0·27	·683	·024	82·4	58·2	·166	15	ESE	4·8	...	...	2	
0·32	·682	·023	83·0	58·2	·157	13	ESE	9·6	...	...	...	
0·37	·681	·022	83·1	58·0	·150	13	ESE	9·6	...	...	3	
0·42	·679	·020	83·0	58·2	·157	13	ESE	3·6	...	...	...	Immediate neighbourhood of sun was reddish.
0·47	·678	·019	83·4	59·0	·175	15	ESE	7·2	...	...	4	
0·52	·670	·010	82·6	58·2	·161	14	ESE	7·2	...	...	4	
0·57	·670	·011	82·4	58·2	·166	15	ESE	6·0	...	...	...	
1·2	670	·010	82·6	58·1	·160	14	ESE	6·0	...	...	5	Sun was surrounded by a red band fading into pink. Sun light dim.
1·7	·670	·010	82·5	58·0	·158	14	ESE	4·8	...	...	...	
1·12	·670	·010	82·4	58·1	·162	14	SE	7·2	...	...	6	
1·17	·650	29·991	82·1	58·2	·168	15	SE	4·8	...	...	7	Sky grey.
1·22	·640	·980	82·0	57·6	·151	14	SE	1·2	...	...	8	
1·27	·630	·970	82·1	57·3	·142	12	SE	8·4	Ci.	W to E	...	
1·32	·630	·970	82·2	57·3	·140	12	SE	4·8	Ci.	SW&SE to NE & NW SE to NW	...	
1·37	·630	·970	81·9	57·2	·142	13	SE	4·8	Ci.		6	
1·42	·620	·960	81·9	57·2	·142	13	SE	4·8	Ci.		...	
1·47	·620	·960	82·0	57·5	·150	14	SE	3·6	Ci.	...	5	Blue grey sky, day-light increasing.
1·52	·620	·960	82·0	57·7	·155	14	SE	8·4	Ci.	...	...	
1·57	·620	·960	82·2	57·6	·150	14	SE	2·4	Ci.	...	4	
2·2	·620	·960	82·1	58·1	·166	15	SE	3·6	Ci.	...	...	
2·7	·620	·960	82·1	58·2	·168	15	SE	1·2	Ci.	...	3	
2·12	·619	·959	83·0	58·5	·167	15	SE	2·4	Ci.	...	2	Sun resumed its full brilliancy.
2·17	·617	·957	83·1	59·0	·181	16	SE	3·6	Ci.	...	...	
2·22	·617	·956	84·2	61·3	·237	20	SE	1·2	Ci.	...	1	
2·27	·617	·956	84·1	60·2	·204	17	SE	2·4	Ci.	SW to NE	...	
2·32	·617	·956	84·1	60·3	·208	17	SE	1·2	Ci.	...	0·5	
2·37	·647	·986	84·1	59·5	·183	16	SE	2·4	Ci.	...	...	
2·42	·651	·990	84·4	59·6	·182	15	SE	1·2	Ci.	...	...	
2·47	·656	·995	84·8	59·5	·173	14	SE	0	Ci.	...	...	
2·51	·658	·996	86·2	61·0	·202	16	SE	3·0	Ci.	...	...	Eclipse terminated.
3·2	·660	·997	87·1	60·2	·165	12	SE	3·5	Ci.	...	...	
3·17	·664	30·001	87·0	61·1	·193	15	SW	5·6	Ci.	...	...	
3·32	·663	·000	87·1	60·3	·168	12	SW	2·4	Ci.	...	...	
3·47	·659	29·995	87·9	61·5	·195	15	SW	3·6	Ci.	...	...	
4·2	·617	·952	87·8	61·3	·191	15	SW	1·6	Ci.	...	...	
4·17	·625	·962	86·2	60·2	·177	14	SW	4·0	Ci.&A.Cu.	NNW toSSE	...	
4·32	·623	·959	87·1	61·5	·207	17	SW	2·4	...	...	...	

No. 108. Lat. 30° 28′ N.

MUSSOOREE.

Long. 78° 7′ E.

Five hundred and five miles from central line of totality. Greatest obscuration 8.

Hour. Madras time.	Barometer. Corrected and reduced to 32° F.	Dry bulb corrected.	Wet bulb corrected.	Aqueous vapour pressure.	Relative humidity.	Wind. Direction.	Wind. Force.	Cloud. Proportion.	Cloud. Kind.	Proportion of eclipse; totality 10.	Weather and other remarks.
A.M.	″	°	°	″	%						
10·0	23·617	54·3	39·8	·097	23	E					
10·15	·631	54·8	39·8	·092	22	ESE		Nil	...	...	Clear, blue sky throughout.
10·30	·631	54·8	39·8	·092	22	SE		"	...	...	
10·45	·633	57·3	45·7	·188	40	E		"	...	...	
								"	...	...	
11·0	·629	57·3	45·7	·188	40	E					
11·15	·621	56·3	45·7	·199	44	E		"	...	...	
11·30	·623	56·3	45·7	·199	44	E		"	...	...	
11·45	·621	56·3	45·7	·199	44	E		"	...	...	
12·0	·617	56·3	45·7	·199	44	E		"	...	...	
P.M.								"	...	...	
0·15	·623	56·3	45·7	·199	44	E					
0·20	·623	56·8	45·7	·193	42	E		"	...	1	
0·25	·623	57·8	45·7	·183	39	E		"	...	1	
0·30	·623	57·8	45·7	·183	39	E		"	...	2	
0·35	·615	56·8	45·7	·193	42	E		"	...	2	
0·40	·613	56·8	45·7	·193	42	E		"	...	3	
0·45	·613	56·3	45·7	·199	44	E		"	...	3	
0·50	·613	56·3	45·7	·199	44	E		"	...	3	
0·55	·613	56·3	44·7	·177	39	E		"	...	4	
								"	...	4	
1·0	·601	56·3	44·7	·177	39	E					
1·5	·599	54·3	44·7	·198	47	E	Moderate.	"	...	4	
1·10	·595	54·3	44·7	·198	47	E		"	...	4	
1·15	·595	53·3	43·7	·187	46	E		"	...	4	
1·20	·597	53·3	43·7	·187	46	E		"	...	5	
1·25	·591	52·8	43·7	·192	48	E		"	...	5	
1·30	·591	52·8	42·7	·171	43	E		"	...	6	
1·35	·591	52·8	42·7	·171	43	E		"	...	7	
1·40	·591	52·3	42·7	·176	45	E.		"	...	7	
1·45	·583	52·3	42·7	·176	45	E		"	...	7	
1·50	·583	51·8	42·7	·181	47	E		"	...	8	
1·55	·587	51·8	43·7	·202	53	E		"	...	8	
								"	...	7	
2·0	·589	51·8	43·7	·202	53	E					
2·5	·583	51·8	43·7	·202	53	E		"	...	6	
2·10	·583	51·8	43·7	·202	53	E		"	...	5	
2·15	·585	51·3	43·7	·207	55	E		"	...	4	
2·20	·585	51·3	43·7	·207	55	E		1	Ci.	3	
2·25	·579	51·3	43·7	·207	55	E		1	Ci.	2	
2·30	·581	51·3	43·7	·207	55	E		1	Ci.	2	
2·35	·581	51·3	43·7	·207	55	E		1	Ci.	2	
2·40	·579	51·3	43·7	·207	55	E		2	Ci.	1	
2·45	·565	51·3	43·7	·207	55	E		2	Ci.	1	
2·50	·565	51·3	43·7	·207	55	E		1	Ci.	1	
2·55	·569	51·3	43·7	·207	55	E		1	Ci.	1	
3·0	·575	50·3	43·7	·218	60	E		1	Ci.	0	
3·15	·573	50·3	43·7	·218	60	E	Gentle.	Nil	...	...	
3·30	·575	51·3	44·7	·229	60	E		"	...	...	
3·45	·585	51·3	44·7	·229	60	E		"	...	...	
4·0	·579	51·3	43·7	·207	55	E		"	...	...	

No 109. Lat. 23° 46′ N. KINDAT. Long. 94° 33′ E.

Five hundred and twenty-eight miles from central line of totality. Greatest obscuration 8.

Hour. Madras time.	Barometer.* Corrected and reduced to 32° F.	Dry bulb corrected.	Wet bulb corrected.	Aqueous vapour pressure.	Relative humidity.	Wind. Direction.	Wind. Amount since preceding interval, in miles per hour.	Cloud proportion.	Proportion of eclipse, totality 10.	Weather and other remarks.
A.M.	″	°	°	″	%					
9·2	29·620	62·1	60·6	·510	92	SSW	...	*Nil*	...	Cu. n. clouds in SW moving southwards, greyish white. Weather fine and clear.
9·17	·617	63·5	61·5	·521	89	S	0	"	...	Ditto.
9·32	·616	63·9	61·7	·523	88	SSE	0·4	"	...	Ditto Small clouds arising NW moving N., pale coppery.
9·47	·620	64·5	62·5	·541	89	NW	0·4	"	...	Ditto ditto.
10·2	·650	68·3	64·1	·544	78	SE	0·4	"	...	Ditto ditto.
10 17	·646	70·1	64·7	·540	73	E	0	"	...	Ditto ditto.
10·32	·637	71·3	65·3	·545	71	E	0·4	"	...	Cloud amount $\frac{1}{10}$. Sky clear, western clouds spreading coppery. Weather fine and clear.
10·47	·627	72·3	65·3	·532	67	WNW	0·4	"	...	Cloud amount $\frac{1}{4}$ greyish white moving SW. Weather fine, and clear, western clouds moving north-west.
11·2	·616	73·1	66·1	·549	67	Calm.	0	"	...	*Weather fine and clear. Clouds spreading and becoming* thinner.
11·17	·611	74·0	66·3	·544	64	WNW	0·8	"	...	S. cu. clouds in E moving SE, very small. Weather fine and clear.
11·32	·600	75·0	66·7	·545	63	NW	0	"	...	Clouds in W moving upwards to NE. Weather fine and clear.
11·47	·594	75·5	67·1	·552	62	NE	0·4	"	...	*Wind variable. Clouds as above and weather fine.*
P.M. 0·2	·588	76·7	67·3	·544	59	N	0·4	"	...	Ditto.
0·17	·570	77·5	67·5	·541	58	N	0·4	"	...	Ditto.
0·32	·565	77·5	68·1	·562	59	NW	0	"	...	Cu. n. small, SW to NNE.
0·47	·565	77·7	68·1	·560	59	W	0·4	"	...	Weather fine and clear. Eclipse commencing at 0·51 P.M. SW of sun.
0·52	·511	78·5	68·1	·548	56	NW	1·2	"	...	
0·57	·506	78·5	68·1	·548	56	NW	0	"	...	
1·2	·512	78·5	66·6	·494	51	NNE	1·2	1	...	A. cu. cloud.
1·7	·508	78·1	65·3	·462	48	WNW	1·2	1	...	Sun losing brilliancy.
1·12	·508	77·9	65·6	·467	49	N	0	1	2·5	Fine clear weather, sun hazy.
1·17	·508	77·9	65·9	·478	50	NW	0	1	...	
1·22	·508	77·9	65·9	·478	50	W	0	1	3	Sunshine mild, dusky.
1·27	·502	77·9	66·9	·514	54	W	0	*Nil*	...	
1·32	·501	78·1	67·5	·533	56	Calm.	1·2	"	5	Daylight diminished so as to resemble twilight.
1·37	·499	77·9	66·3	·493	52	NE	0	"	...	
1·42	·499	78·0	66·3	·491	51	NNE	0	"	6	
1·47	·499	76·9	66·5	·512	55	N	1·2	"	8	Brightness of the sun diminished.
1·52	·499	77·0	67·1	·532	57	NNE	0	"	...	
1·57	·499	77·0	67·1	·532	57	Calm.	0	"	8	
2·2	·499	77·0	67·1	·532	57	Calm.	1·2	"	...	
2·7	·497	76·1	67·3	·552	61	W	0	"	7·5	Misty.
2·12	·495	76·1	67·3	·552	61	NNW	0	"	...	Fine, clear weather.
2·17	·496	76·1	67·3	·552	61	Calm.	0	"	...	
2·22	·496	76·1	67·7	·566	62	W	1·2	"	6	
2·27	·494	76·1	68·1	·581	64	W	1·2	"	5	
2·32	·494	76·3	68·1	·579	63	Calm.	0	"	3	
2·37	·494	76·5	68·1	·575	62	Calm.	0	"	...	
2·42	·494	76·7	68·1	·573	62	Calm	0	"	...	
2·47	·494	76·9	68·3	·578	62	Calm.	0	"	1	
2·52	·493	77·1	68·3	·575	61	Calm.	0	"	...	
2·57	·493	77·3	68·7	·588	63	Calm.	0	"	...	
3·2	·493	77·3	68·7	·588	63	W	1·2	"	0·6	Fine weather with passing clouds.
3·7	·493	77·3	68·7	·588	63	Calm.	1·2	1	0·5	A. cu. clouds.
3·12	·493	77·5	68·1	·562	59	Calm.	0	1	0·3	
3·16	·493	77·7	68·1	·560	59	W	1·5	1	...	Eclipse terminated. Fine clear weather.

* Barometrict readings are doubtful.

No. 110. Lat. 29° 32′ N. SIRSA. Long. 75° 6′ E.

Five hundred and sixty-eight miles from central line of totality. Greatest obscuration 8.

Hour. Madras time.	Barometer. Corrected and reduced to 32° F.	Barometer. Reduced to sea-level and constant gravity.	Dry bulb corrected.	Wet bulb corrected.	Aqueous vapour pressure.	Relative humidity.	Wind. Direction.	Wind. Amount since preceding interval, in miles per hour.	Kind of cloud.	Proportion of eclipse, totality to.	Weather and other remarks.
	″	″	°	°	″	%					
A.M.											
10·0	29·393	30·052	64·6	53·2	·256	41	SW	...	Ci.	...	Clear weather.
10·10	·393	·051	66·2	53·7	·249	39	SW	0·6	"	...	Ditto.
10·20	·397	·051	68·5	55·0	·255	37	NW	0·6	"	...	Ditto.
10·30	·399	·052	69·4	55·1	·246	34	W	0·6	"	...	Ditto.
10·40	·400	·052	70·0	55·3	·244	33	WSW	1·2	"	...	Ditto.
10·50	·400	·051	71·2	55·6	·237	32	NW	1·8	"	...	Ditto.
11·0	·396	·044	72·7	56·3	·237	29	W	1·8	"	...	Ditto.
11·10	·396	·044	72·9	56·4	·236	29	WSW	1·8	"	...	Ditto.
11·20	·391	·038	73·7	56·3	·224	26	WSW	3·0	"	...	Ditto.
11·30	·389	·035	74·7	56·3	·211	24	NW	3·6	"	...	Ditto.
11·40	·385	·029	75·9	57·2	·221	25	W	4·2	"	...	Ditto.
11·50	·380	·024	75·8	57·2	·223	25	NW	5·4	"	...	Ditto.
12·0	·376	·019	76·8	57·4	·215	23	W	5·4	"	...	Ditto.
P.M.											
0·10	·376	·019	77·4	57·8	·220	24	W	5·4	"	1	Light yellowish in colour.
0·20	·371	·013	77·4	58·0	·225	24	WSW	4·8	"	2	Ditto.
0·30	·367	·008	77·8	57·1	·194	21	SW	6·0	"	3	Ditto.
0·40	·357	29·998	77·7	57·0	·192	21	SW	3·0	"	4	Ditto.
0·52	·355	·997	77·3	57·0	·197	21	W	4·8	"	4	Ditto.
1·2	·351	·993	77·1	57·1	·203	22	WNW	4·9	"	5	
1·13	·351	·993	76·8	56·6	·192	21	NW	6·0	"	6	
1·20	·351	·993	76·8	56·6	·192	22	W	4·5	"	7	
1·32	·342	·985	76·4	56·9	·206	23	W	4·5	"	8	Appearance as if sun-set were approaching.
1·40	·337	·980	76·4	56·5	·194	22	W	3·5	"	7	Ditto.
1·52	·326	·968	76·8	57·6	·222	24	W	5·3	"	5	Light yellowish.
2·0	·322	·963	77·0	57·3	·210	23	WNW	4·9	"	4	Ditto.
2·11	·322	·962	77·8	57·3	·199	21	WNW	5·3	"	3	Ditto.
2·20	·322	·960	78·8	58·1	·210	22	W	4·8	"	2	Ditto.
2·30	·326	·965	79·0	58·0	·204	21	SW	4·8	"	1	Ditto.
2·40	·326	·963	79·9	58·1	·196	19	W	4·8	"	...	Sun clear.
2·55	·326	·963	79·8	58·0	·194	19	SW	4·2	"	"	Weather clear.
3·5	·324	·960	80·0	59·4	·234	23	NNW	2·8	"	...	Ditto.
3·20	·322	·959	80·0	58·2	·197	19	NNW	34·2(?)	"	...	Ditto.
3·30	·328	·965	80·9	59·5	·225	22	SW	2·6	"	...	Clear.
3·44	·324	·961	80·2	58·8	·213	21	NNW	6·0	"	...	Ditto.
3·55	·323	...	...	...	...	...	W	...	...	...	Ditto.

No. 111. Lat. 27° 59′ N. BICKANEER. Long. 73° 4′ E.

Five hundred and seventy miles from central line of totality. Greatest obscuration 8.

Hour. Madras time.	Barometer. Corrected and reduced to 32° F.	Barometer. Reduced to sea-level and constant gravity.	Dry bulb corrected.	Wet bulb corrected	Aqueous vapour pressure.	Relative humidity.	Wind. Direction.	Wind. Amount since preceding interval, in miles per hour.	Cloud, kind and proportion.	Weather and other remarks.
A.M.	"	"	°	°	"	%				
10·28	29·299	30·060	68·8	54·0	·224	31	NW	...	*Nil*	
10·43	·300	·060	69·8	55·4	·249	34	NW	13·2	"	
10·58	·301	·058	72·0	56·2	·247	31	NW	12·4	"	
11·13	·302	·057	73·1	57·2	·258	31	NW	12·4	"	
11·28	·297	·050	74·6	58·3	·272	31	NW	4·8	"	
11·43	·290	·041	75·6	58·4	·262	29	NW	4·8	"	
11·58	·286	·035	76·6	59·0	·267	29	NW	3·2	"	
P.M.										
0·13	·279	·026	77·6	59·4	·266	28	Calm	2·8	"	
0·26	·275	·022	78·2	59·4	·258	26	NW	3·2	"	
0·18	·275	·022	78·2	59·4	·258	26	Calm	3·0	"	
0·33	·273	·019	78·6	59·6	·250	27	NW	3·6	"	
0·38	·273	·019	78·6	59·8	·265	27	Calm	1·2	"	
0·43	·269	·015	78·6	60·0	·272	28	Calm	0	"	
0·48	·264	·010	78·6	60·2	·278	28	Calm	0	"	
0·53	·262	·008	78·6	60·2	·278	28	NW	26·4 †	"	
0·58	·260	·006	78·6	60·2	·278	28	Calm	0	"	
1·3	·260	·006	78·6	60·2	·278	28	Calm	0	"	
1·8	·257	·002	78·8	60·4	·278	28	NW	2·4	"	
1·13	·252	29·997	78·4	60·0	·274	28	Calm	0	"	
1·18	·250	·995	78·4	60·2	·281	29	NW	1·2	"	
1·23	·248	·993	78·6	60·0	·272	28	NW	2·4	"	
1·28	·246	·991	78·6	60·2	·278	28	Calm	0	"	
1·33	·242	·987	78·6	60·0	·272	28	Calm	1·2	"	
1·38	·239	·984	78·6	60·0	·272	28	NW	1·2	"	
1·43	·237	·982	78·4	59·6	·262	27	Calm	1·2	"	
1·48	·237	·982	78·4	59·6	·262	27	Calm	0	"	
1·53	·233	·978	78·4	60·2	·281	29	Calm	0	"	
1·58	·231	·976	78·6	60·2	·278	28	NW	1·2	"	
2·3	·229	·974	78·4	60·0	·274	28	Calm	1·2	"	
2·8	·227	·974	78·4	60·2	·281	29	Calm	0	Ci.	Cu. in SW horizon.
2·13	·229	·975	78·0	59·2	·255	26	Calm	0	Cu.	
2·18	·228	·974	77·6	59·2	·260	27	Calm	0	Cu.	
2·23	·227	·972	78·4	59·6	·262	27	NW	0	Cu.	Cu. Ditto
2·28	·225	·970	78·4	59·2	·240	26	NW	1·2	Cu.	
2·33	·223	·967	78·6	59·2	·246	25	NW	2·4	Cu.	
2·38	·222	·966	78·6	59·6	·258	27	Calm	1·2	Cu. N.	Cu. N. Ditto.
2·43	·219	·962	79·1	60·2	·271	27	Calm	0	Cu. N.	
2·48	·219	·961	79·6	60·3	·267	26	NW	1·2	Cu. N.	
2·53	·220	·962	80·0	60·3	·262	26	NW	4·8	Cu. N.	
2·58	·220	·961	80·4	60·4	·260	25	NW	3·6	Cu. N.	
3·3	·214	·954	80·9	60·3	·251	24	NW	27·6 †	Cu. N.	
3·8	·215	·954	81·7	60·8	·255	24	NW	3·6	Cu. N.	
3·13	·207	·946	81·7	61·2	·269	25	NW	3·6	Cu. N.	
3·28	·205	·944	81·9	61·4	·273	25	WSW	12·0	Ci.	Ci., S.
3·43	·211	·950	82·1	62·0	·289	26	WSW	15·2	Ci.	
3·58	·214	·953	82·1	61·4	·270	25	WSW	6·0	Ci.	
4·13	·218	·957	82·3	61·8	·280	26	WSW	8·8	Cu. N.	Cu. N. in SW horizon.
4·28	·218	·956	82·5	62·2	·290	26	WSW	3·2	Cu. N.	

No. 112. Lat. 24° 12′ N. BHAMO Long. 96° 58″ E.

Five hundred and seventy-eight miles from central line of totality Greatest obscuration 8.

Hour. Madras time.	Barometer. Corrected and reduced to 32° F.	Dry bulb corrected.	Wet bulb corrected.	Aqueous vapour pressure.	Relative humidity.	Wind. Direction.	Wind. Amount since preceding intervals in miles per hour.	Cloud. Kind	Cloud. Direction of motion	Proportion of eclipse, totality 10.	Weather and other remarks
A.M.	″	°	°	″	%						
8·53	29·655	64·4	58·3	·408	67	NNW	...	Cl. Cu	S to N		Weather fine and clear, sky blue with scattered whitish brown cloudlets.
9·8	618	66·2	60·1	440	68	NW	4·0	Ci. Cu	NE to SW		Ditto ditto.
9·23	·642	68·5	60·3	·416	60	E	2·8	A. Cu	W to E		Weather fine and clear; sky blue, clouds sparsely scattered and greyish
9·38	·636	70·5	60·1	·381	51	NE	16·4	A. Cu.	W to E		Ditto do. clouds moving rapidly.
9·53	628	71·1	59·5	·356	47	NE	12·8	A Cu	E to S		
10·8	·621	72·3	60·1	·358	46	NE	6·4	Ci.	W to E		Ditto clouds forming whitish
10·23	617	71·5	59·1	337	43	N	8·4	Ci	SW to NE		Ditto clouds scattered and clearing towards E
10·38	·610	72·5	60·5	·369	46	N	4·8	Ci.	...		Ditto clouds here and there.
10·53	·602	72·9	60·1	·351	43	NE	4·0	Ci	..		
11·8	·600	74·1	60·9	·362	43	NE	4·4	Ci. S.	.		Sky clear and blue.
11·23	·591	74·1	62·1	·399	47	E	3·2	Cu.	...		Clouds very low and collecting towards N.
11·38	·591	75·1	62·5	399	46	N	4·8	Ci.	...		Fine clear weather; clouds becoming white and spreading to north and east
11·53	580	74·5	62·1	392	45	N	4·8	Ci.	...		Clouds low, detached and greyish white.
P.M. 0·8	·576	75·3	63·3	423	49	NE	5·6	Cu.	.		
0·23	570	76·3	64·3	·443	49	Calm	3·6	Cu.	...		
0·38	·565	75·3	63·3	·423	48	NE	3·2	S.	.		Beginning of eclipse.
0·48	·559	74·9	62·3	·395	46	NNE	6·0	S.	...		Clear. Sky slightly dim and dull.
0·53	·563	74·7	63·1	·425	50	...	...	...	...	1	
0·58	·563	74·5	62·3	·401	47	...	..	...	...	1	
1·3	·563	74·9	62·5	·400	46	...	...	...	...	2	
1·8	·563	75·1	62·3	·392	45	N	6·0	Ci.	...	2	Getting cooler Clouds scattered.
1·13	·560	74·1	61·9	·394	46	...	...	..	...	3	
1·18	560	74·5	61·7	380	44	...	...	...	..	3	Light losing brightness.
1·23	·560	74·1	61·1	367	43	NE	6·0	Ci	...	4	Cool and pleasant.
1·28	560	73·7	61·1	·372	45	...	...	...	...	4	Unusually dim. Clouds near the sun.
1·33	560	73·3	61·1	·378	46	...	...	...	...	5	
1·38	·560	72·9	60·3	·357	45	NE	6·0	S.	S to N	6	Weather cool and pleasant; sky near the sun is greyish white and grey in places.
1·43	·558	72·3	60·3	·365	46	...	...	...	..	6	Sky slightly dim and the sun totally black at the eclipsed part.
1·48	·558	72·3	61·1	391	49	...	..	...	...	7	
1·53	·556	72·1	61·1	·393	50	NE	4·4	Ci. S	..	8	Few Ci S. near the sun.
1·58	·559	71·5	60·9	·397	52	...	...	A. S	W to N	8	Clouds distant from the sun yellow; sun's rays on lime-washed houses and distant trees saffron yellow. Daylight losing brightness. Atmosphere cool and pleasant.
2·3	·559	71·3	60·9	·398	52	..	...	...	...	7	Clear and bright.
2·8	·559	71·1	60·3	·381	51	NE	3·2	S.	...	6	Weather cool and pleasant.
2·13	557	71·1	60·5	·388	52	...	..	...	...	5	Eclipse decreasing.
2·18	·557	71·1	60·1	·375	49	.	...	...	...	4	Weather pleasant and cool.
2·23	·555	71·1	60·3	·381	51	NE	4·0	S.	.	3	Sky blue.
2·28	·557	71·1	60·3	381	51	..	...	...	...	3	
2·33	557	71·1	60·1	·375	49	.	..	...	...	2	
2·38	·555	71·1	60·1	375	49	NE	4·0	S.	...	1·5	Coolness passing off.
2·43	555	71·5	60·3	·375	49	..	...	...	...	1·3	
2·48	·555	71·5	60·3	·375	49	...	...	...	.	1	Weather fine and day bright.
2·53	·553	71·3	59·7	·359	47	NE	3·6	S	...	...	Sun's disc all but clear.
3·3	·557	71·5	60·1	·368	47	NE	3·6	...	...		Eclipse terminated, sun bright, weather fine and clear sky blue, clouds scattered.

No. 113. Lat. 24° 16′ N. **DEESA.** Long. 72° 14′ E.

Four hundred and twenty-five miles from central line of totality. Greatest obscuration 7·8.

Hour.	Barometer.						Wind.				
Madra time.	Converted and reduced to 32° F.	Reduced to sea-level and constant gravity.	Dry bulb corrected.	Wet bulb corrected.	Aqueous vapour pressure.	Relative humidity.	Direction.	Amount since preceding interval, in miles per hour.	Cloud proportion.	Proportion of eclipse, totality 10.	Weather and other remarks.
A.M.	"	"	°	°	"	%					
10·32	29·614	30·038	83·8	59·7	·194	17	E	...	*Nil*		Sky entirely blue.
10·47	·610	·033	84·8	60·1	·192	16	E	8·0	"		Ditto.
11·2	·604	·027	85·5	60·6	·198	16	ESE	4·0	"		Ditto.
11·17	·600	·022	86·6	60·3	·175	13	ESE	8·0	"		Ditto.
11·32	·593	·015	87·3	60·8	·182	14	SE	10·0	"		Fine, small tufts of clouds (Ci. Cu.) from NW to NE. Middle sky blue and clear.
11·47	·589	·009	88·1	60·4	·158	11	SE	4·0	"		Few, small ditto. Middle sky entirely blue NW horizon dull whitish colour.
P.M.											
0·2	·582	·001	88·9	61·6	·185	13	SE	6·0	"	0·5	Middle sky blue. Small tufts of clouds resembling Ci. Cu. from NW to NE. NW horizon dull. Eclipse began 11·04 A.M. on SW.
0·7	·579	29·999	88·0	61·9	·208	16	SE	6·8	"	1	
0·12	·577	·996	88·0	63·6	·252	19	SE	6·0	"	1·5	
0·17	·576	·995	89·1	61·8	·188	14	SE	6·0	"	1·8	
0·22	·573	·993	87·8	60·5	·166	13	SE	3·0	"	2	Puffs.
0·27	·573	·993	88·3	62·5	·223	17	SE	3·0	"	2·3	Horizon dull whitish. Sky clear.
0·32	·569	·989	89·0	63·4	·244	18	SE	6·0	"	2·8	Calm.
0·37	·567	·987	88·0	60·3	·156	11	SSE	3·0	"	3	Tuft towards N.
0·42	·564	·984	87·5	60·1	·155	11	SSE	3·0	"	3·5	Sunlight getting dim, blue, except N W horizon.
0·47	·562	·983	87·4	61·3	·197	15	SSE	3·0	"	3·5	
0·52	·558	·978	87·5	60·6	·171	13	S	3·0	"	4	S to W horizon dim, and NW whitish.
0·57	·557	·978	87·4	61·5	·201	16	S	3·0	"	5	
1·2	·554	·975	86·6	60·4	·179	14	S	9·0	"	6	
1·7	·551	·972	86·8	61·6	·215	17	S	15·0	"	6·8	Sky dull in NW horizon and whitish in S to SW.
1·12	·549	·970	86·5	61·1	·201	16	S	3·0	"	7	NW and S to SW horizon and sky pinkish.
1·17	·547	·969	86·0	60·3	·184	14	S	3·0	"	7·5	S to SW and NW horizon pinkish.
1·22	·545	·967	85·6	60·3	·221	17	S	6·0	"	7·8	S to SW and NW horizon pinkish. Sun dimer as it covered with Ci. S. Greatest obscurity.
1·27	·542	·964	85·6	61·4	·224	18	S	3·0	"	7·5	
1·32	·540	·962	85·6	61·5	·228	19	S	6·0	"	7·5	S to S W and NW to W horizon pinkish.
1·37	·539	·961	85·8	62·8	·266	22	S	3·0	"	7	Calm.
1·42	·533	·960	86·0	62·3	·248	20	S	3·0	"	6	Do. S to SW and NW horizon pinkish.
1·47	·537	·957	86·2	61·8	·227	18	S	3·0	"	5·5	Sky and horizon as above.
1·52	·537	·959	86·2	60·6	·199	16	S	3·0	"	5	
1·57	·535	·956	86·6	61·1	·200	16	S	3·0	"	4	
2·2	·533	·954	86·7	60·6	·184	15	S	3·0	"	2·5	
2·7	·533	·954	86·9	61·0	·192	15	S	6·0	"	1·8	Sky and horizon as above.
2·12	·533	·953	87·6	60·6	·203	16	S	6·0	"	1·3	
2·17	·532	·952	87·7	61·9	·210	16	S	3·0	"	1	Sky and horizon as at 1·42 P.M.
2·22	·527	·945	88·6	62·8	·229	16	S	3·0	"	0·8	Ditto. ditto.
2·27	·525	·943	89·1	63·5	·245	18	S	0	"	0·8	Calm.
2·32	·526	·944	89·0	61·8	·191	14	S	3·0	"	0·5	Sky and horizon as at 1·42 P.M.
2·37	·523	·941	88·9	62·1	·203	14	S	3·0	"	0·3	
2·42	·523	·940	87·7	62·9	·218	15	S	3·0	"	0·1	Calm.
2·47	523	·940	90·0	62·8	·209	15	S	3·0	"		Calm.
2·52	·522	·939	89·8	63·9	·248	18	S	3·0	"		Calm. Sun clear. S to NW horizon whitish.
2·57	·522	·939	89·7	62·7	·210	15	S	3·0	"		Ditto.
3·2	·522	·939	89·6	62·5	·206	15	S	3·0	"		Calm. Ditto.
3·17	·520	·937	90·3	63·3	·221	15	S	4·0	"		Calm. Ditto.
3·32	·519	·937	88·0	62·1	·212	16	S	3·0	"		Ditto.
3·47	·520	·936	91·6	61·0	·230	15	S	2·0	"		Calm. Ditto.
4·2	·520	·936	90·8	63·7	·230	16	S	3·0	"		Calm. Sky clear all around.
4·17	·522	·937	91·7	61·8	·254	17	S	3·0	"		Calm. Ditto.
4·32	·526	·942	90·7	63·9	·237	16	S	4·0	"		Ditto.

No 114. Lat 11° 22 N

WELLINGTON

Long 76° 50′E

Fo r hundred and thirty one mi les from central line of totality Greatest obscuration 7 5.

Hours Madras t me	Baro meter Corrected and reduced to 32° F	Dry bulb cor rected	Wet b.lb corrected	Aqueous vapour pressure	Relative hum d ty	Wind Direction	Wind Amount since preceding interval in m les per hour	Cloud Prondr-tion	Cloud Kind	Proportion of eclipse total ly to	Weather and other remarks.
A M	F	°	°	#	%						
10-15	24 298	60·1	55·1	384	74	S		8	S Cu		Gloomy w th pas ing clouds moving from ESE (from early morning)
10 30	297	60·6	55 8	397	75	S	4 0	8	S Cu		Ditto ditto
10 45	295	62 8	57·4	414	72	Calm	0	9	S Cu		Ditto ditto
11-0	293	62 1	56 6	403	72	S	8 0	9	S Cu		D tto di to.
11 15	295	63 6	57 5	412	70	S	4 0	9	Cu N		Ditto ditto
11 30	291	64 2	57 4	403	66	SSE	4 0	10	Cu N		D tto d tto.
11 45	289	65 5	58 8	427	67	Calm	0	10	Cu N		Ditto ditto.
12-0	287	63 6	57·5	412	70	SE	4 0	10	Cu N		D tto d tto
P M 0·5	287	64 4	57 8	412	68	SE		10	Cu N		Ditto ditto
0 10	285	64 1	57 9	418	69	SE	12 0	7	Cu N		Very gloomy Clouds increasing n speed from SE to ESE
0 15	·284	64 7	58·2	418	68	SE		7	Cu N	2	A sl ght gl mpse of eclipse Ci Cu above from the SW
0 20	·284	65 0	57 9	408	66	SE		9	Cu N		
0 25	264	64 4	57 5	403	66	SSE		10	Cu N		
0-30	282	63 6	57 8	420	71	SE	3 0	8	Cu N	4	Clouds from SW
0 35	279	63 6	58·0	425	72	S		10	Cu N		Overcast.
0 40	·279	62 6	57 2	413	72	S		9	Cu N		
0-45	278	62 4	57·2	415	73	SE	4 0	9	Cu N		
0 50	·275	62 4	57 5	424	74	SE		9	Cu N		
0 55	277	62 1	57 2	418	74	SSE		9	Cu N		
1 0	273	62 1	57 3	422	75	SSE	4 0	10	Cu N		
1 5	271	61 5	56·8	414	75	SSE		10	Cu N		
1 10	269	60·8	56·6	416	78	SE	0	10	Cu N		
1 15	·266	60·2	56 4	416	80	Calm		9	Cu N	7	A momentary glimpse of eclipse.
1 20	264	60 4	56 6	420	80	Calm		10	Cu N		Overcast.
1 25	262	60·2	56 2	411	79	SE		9	Cu N	7 5	Clouds scudd ng aver sun u sl ,ht b eak
1 30	·261	59 6	55 2	391	76	Calm		10	Cu N		Overcast clouds slower in movement
1 35	259	59 5	55 8	409	80	Calm	0	10	Cu N		D tto d tto
1 40	257	59 7	56 3	419	81	SE		10	Cu N		D tto d tto
1 45	256	60 6	56·0	402	76	SE	0	10	Cu N		Ditto ditto
1 50	254	59 8	56·3	418	81	Calm		10	Cu N		D tto d tto
1 55	·252	59 9	56 3	417	81	Calm		10	Cu N		D tto dit o
2 0	251	59·6	56·0	412	81	SSE	0	10	Cu N		D tto clouds slowly passing sun obscured by clou l
2 5	251	59 8	56·2	415	81	SE		10	Cu N		Overcast. Clouds slowly pass ng
2 10	249	60·2	56 6	422	81	Calm		9	Cu N		A slight break clouds passing more slowly; sun obscured by clouds moving from SE
2 15	246	60 4	56 6	420	80	Calm		10	Cu. N		Overcast
2 20	245	60 8	56·9	423	79	SSE		10	Cu N		Ditto
2 25	244	61 4	57·2	426	78	SE	4 8	10	Cu N		D tto
2-30	244	61 8	57 5	431	78	SE		10	Cu N		D tto
2 45	233	62·6	58 1	438	77	SE	3·0	10	Cu N		Ditto
3-0	·236	63 0	58 3	439	76	SSE	8 0	10	Cu N		D tto
3 15	238	63 2	58 5	443	76	SE	12 0	10	Cu N		D tto gloomy and threatening weather from SE
3-30	238	6· 6	58·3	444	78	Calm	0	10	Cu. N		D tto d tto
3 45	240	62 4	58 3	446	79	SE	4·0	10	Cu. N		D tto d tto
4 0	·239	62 3	58 3	447	79	SE	0	10	Cu N		Ditto d tto
4 15	243	61 9	58 3	451	81	SE	0	10	Cu. N		D tto d tto.

Sl ght drizzle at 5 P M.

No 116 Lat 23° 15′ N **BHUJ** Long 69° 42′ E

Four hundred and eighty seven miles from central line of totality Greatest obscuration 7

Hour	Barometer		Dry bulb corrected	Wet bulb corrected	Aqueous vapour pressure	Relative humidity	Wind		Cloud proportion	Proportion of eclipse total by 10	Weather and other remarks.
Madras time	Corrected and reduced to 32° F	Reduced to sea level and constant gravity					Direction	Amount since preceding interval in miles per hour			
A M	"	"	°	°	"	%					
10·42	29·680	30·035	78·8	57·1	·180	19	NNW		Nil		Fine weather sky blue
10 57	·680	·035	79·2	57·1	·175	18	NNW	5·2	"		Ditto
11 12	·673	·027	80·0	58·1	·193	19	NNW	6·6	"		Ditto
11·27	·671	·023	82·2	58·4	·174	15	NE	4·9	"		Ditto
11 42	·667	·019	83·2	58·6	·167	15	N	5·9	"		Ditto
11·57	·658	·009	83·7	57·8	·135	12	NE	7·9	"	1	Ditto
P M											
0 7	·654	·004	84·6	58·4	·142	12			"	2	Ditto
0 12	·654	·004	85·0	58·0	·124	10	NE	2·2	"	3	Ditto.
0·22	·649	29·999	84·6	58·5	·146	13			"	3	Ditto
0·27	·647	·996	85·0	57·8	·118	10	NE	10·6	"	4	Ditto
0 37	·645	·995	84·6	57·7	·120	10			"	4	Ditto
0·42	·643	·993	84·4	57·4	·115	10	NE	5·0	"	5	Fine weather sky blue and sun light dim and gloomy
0·52	·637	·987	84·6	58·1	·133	11			"	5	Ditto ditto
0·57	·631	·981	84·4	57·8	·127	11	ENE	7·7	"	6	Ditto ditto
1 7	·629	·979	83·8	57·3	·120	10			"	6	Ditto ditto.
1 12	·627	·978	83·4	57·3	·125	11	NE	6·5	"	7	Ditto ditto
1 22	·623	·974	83·4	57·0	·115	10			"	6	Ditto ditto
1 32	·615	·966	83·4	57·8	·141	12	NE	7·2	"	6	Ditto ditto
1 42	·611	·961	83·6	57·2	·118	10			"	5	Ditto ditto
1 47	·611	·961	84·2	57·6	·124	11			"	4	Ditto ditto
1 52	·607	·957	84·4	57·7	·124	10	N	2·6	"	3	Ditto ditto
2 2	·605	·955	84·4	57·6	·122	10			"	3	Ditto ditto
2 7	·605	·955	84·4	58·2	·138	11			"	2	Ditto ditto.
2 12	·603	·952	85·0	58·8	·149	13	NNW	6·4	"	2	Ditto ditto
2 22	·599	·947	86·3	58·8	·131	10			"	1	Ditto
2 27	·599	·946	85·6	58·8	·142	11	NW	6·4	"	1	Ditto
2 37	·597	·944	86·6	58·8	·128	9			"	0	Ditto
2 42	·593	·940	86·6	58·4	·116	9	N	6·1	"		Ditto
2 57	·590	·937	87·2	59·2	·132	10	N	7·0	"		Ditto
3 12	·592	·938	87·6	58·5	·106	9	N	6·8			Ditto
3·27	·598	·945	87·1	58·1	·100	8	NW	5·3	"		Ditto
3 42	·600	·947	87·9	59·8	·141	11	Calm	3·2	"		Ditto
3 57	·600	·947	88·3	58·8	·105	8	NW	2·9			Ditto.
4 12	·604	·950	88·8	59·8	·129	9	NE	2·5			Ditto
4·27	·604	·950	88·7	60·1	·141	10	N	4·6			Ditto
4 4°	·604	·951	88·4	60·1	·144	10	NE	4·2			Ditto

No. 117. Lat. 30° 40′ N. CHAKRATA. Long. 77° 55′ E.

Five hundred and fourteen miles from central line of totality. Greatest obscuration 5.

Hour.	Barometer.					Wind.		Cloud proportion.	Proportion of eclipse, totality 10.	Weather and other remarks.
Madras time.	Corrected and reduced to 32° F.	Dry bulb corrected.	Wet bulb corrected.	Aqueous vapour pressure.	Relative humidity.	Direction.	Amount since preceding interval, in miles per hour.			
A.M.	°	°	°	″	%					
10·9	23·363	57·5	39·5	·110	28	Calm	...	*Nil*		
10·24	·363	...	...	...	...	Calm	...	,,		
10·39	·363	58·1	41·2	·086	17	S	13·8	,,		
10·54	·365	...	...	...	...	S	...	,,		Fine clear weather.
11·9	·363	58·1	40·9	·080	17	S	17·0	,,		
11·24	·361	...	...	...	...	SSW	...	,,		
11·39	·355	60·5	41·8	·073	14	SSW	14·0	,,		
11·54	·353	...	...	...	...	SSW	...	1		Slight hazy clouds like cirrus in S., having appearance of uplifted dust-haze.
P.M.										
0·9	·351	59·0	40·9	·070	14	S	27·8	1		
0·19	·347	...	...	...	...	S	...	*Nil*	1	Slight hazy clouds resembling dust-cloud.
0·24	·347	...	...	...	...	S	...	,,		
0·29	·347	...	...	...	...	S	...	,,		
0·34	·345	...	...	...	...	S	...	,,	2	Dust-cloud disappeared. Sky unusually dark blue, light noticeably diminishing and of yellowish colour.
0·39	·345	59·3	41·2	·073	14	S	8·2	,,		
0·44	·345	...	...	...	...	S	...	,,	3	Shadows thrown appeared as of bright moon light.
0·49	·343	...	...	...	...	S	...	,,		
0·54	·343	...	...	...	...	S	...	,,	4	Yellowish light.
0·59	·339	...	...	...	...	S	...	,,		
1·0	·339	...	...	...	...	S	...	,,		
1·9	·339	57·3	40·1	·072	17	S	12·2	,,		Shadows thrown are indistinct and bluish. Air perceptibly cooler.
1·14	·283	...	...	...	...	S	...	,,	5	
1·19	·283	...	...	...	...	S	...	,,		Pale yellow light resembling moon light.
1·24	·281	...	...	...	...	S	...	,,		
1·29	·283	...	...	...	...	S	...	,,		Light gradually becoming brighter.
1·34	·283	...	...	...	...	S	...	,,		
1·39	·283	54·0	38·8	·080	20	S	17·0	,,	3	Ditto ditto.
1·44	·325	...	...	...	...	S	...	,,		Ditto ditto.
1·49	·325	...	...	...	...	S	...	,,		
1·54	·325	...	...	...	...	S	...	,,		
1·59	·323	...	...	...	...	S	...	,,	2	
2·0	·329	...	...	...	...	S	...	,,		
2·9	·329	54·6	40·2	·102	23	S	27·0	,,	1	Light assumed almost usual brightness.
2·14	·321	...	...	...	...	S	...	,,		
2·19	·319	...	...	...	...	S	...	,,		
2·24	·323	...	...	...	...	S	...	,,		
2·29	·319	...	...	...	...	S	...	,,		Light resumed normal brilliancy.
2·34	·317	...	...	...	...	S	...	,,		Dust haze in distance.
2·39	·317	55·5	40·9	·106	24	S	6·8	,,		
2·44	·325	...	...	...	...	S	...	,,		
2·49	·325	...	...	...	...	S	...	,,		Eclipse terminated at 2·50 P.M.
2·54	·325	...	...	...	...	S	...	,,	0	Dust-haze diminishing. Distant objects very distinct.
3·9	·321	55·6	40·9	·116	24	S	2·8	,,		
3·24	·321	...	...	...	...	S	...	,,		
3·39	·323	55·3	40·6	·103	24	S	24·2	,,		Fine clear weather.
3·54	·329	...	...	...	...	S	...	,,		
4·9	·331	53·9	40·9	·123	30	S	41·2	,,		

No 118. Lat 10° 50'N. TRICHINOPOLY Long 78° 44'E.

Five hundred and thirty five miles from central line of totality Greatest obscuration 7 5

Hour Madras hours	Barometer Corrected and reduced to 32° F	Barometer Reduced to sea level and constant gravity	Dry bulb corrected	Wet bulb corrected	Aqueous vapour pressure	Relative humidity	Wind Direction	Wind Amount since preceding interval in miles per hour	Cloud proportion	Proportion of eclipse, total 10	Weather and other remarks
A M	"	"	°	°	"	%					
6-31	29·720	29 916	70·9	66·8	604	80	NE		.5		S clouds around the horizon a few Cu clouds obscured the sun at rise Force of wind light colour of sun yellow
7-6	726	921	71 0	65 8	602	79	NNE	1 27	6		A few S clouds in the N and ESE : near the horizon passing clouds gather from all directions
8 6	754	·948	73 3	67·9	612	74	NNE	0 5	7		Passing clouds obscured the sun
9-6	772	964	76·2	69 1	618	69	NNE	11 4	10		Overcast with dark clouds
10-6	770	961	78 8	69 5	598	60	NE	9·5	10		Nimbus : overcast with chill breeze sun visible for a second or two
10 21	765	957	77 6	68 6	580	61	NE	9 2	10		Dark nimbus all over chill breeze
10·36	762	·954	77 7	68 8	586	62	NNE	10 8	10		Nimbus
10 51	·762	954	77 8	68 9	588	62	NE	11·2	10		Ditto
11-6	760	952	78 5	69·5	602	61	NNE	8 4	10		Ditto
11·21	758	949	78 5	69·2	590	61	NNE	8 8	10		Dark stratus and nimbus clouds
11 36	758	949	78 2	68 9	583	60	NNE	8 4	10		Ditto
11·51	756	947	78 9	69 1	581	59	N	10 0	10		A few Cu clouds moving from the north
P M 0 6	752	943	79 6	69·6	592	58	NNE	7 6	10		Ditto
0-16	746	937	79·5	68 9	566	57	NE	15 0	9	2·5	Eclipse seen at intervals of 2 or 3 seconds.
0 21	741	932	79 8	69 6	588	58	N	9 6	9	4	Ditto ditto
0-26	739	929	80 4	69 9	592	57	NNE	8 4	8	5	Ditto ditto
0-31	738	928	80 1	69 9	595	58	N	3 6	10		Sun is not visible
0 36	733	924	79 4	68 9	567	57	NNE	10 8	10		Dark clouds
0 41	731	922	79·3	68 9	568	56	NE	9 6	10		Dark clouds in the N a few drops of rain.
0-46	·730	921	78·8	68 6	564	57	NE	13·2	10		Dark gloomy Flying Ci Cu clouds
0-51	722	913	78 8	68 9	576	59	N	9·6	10		Overcast
0-56	720	911	78 7	69 2	588	60	NNE	14 4	10	7	The sun clear of clouds for a second or two.
1 1	722	914	77 1	68·9	598	64	NNE	13 2	10	7 5	A slight drizzle
1 6	718	910	77·9	69 2	599	62	N	4 8	10		Sun cannot be seen
1-11	716	908	76 9	68 7	593	64	NNE	9 6	10		Dark gloomy Sun cannot be seen, a slight drizzle
1-16	716	908	76 8	68 9	603	65	ENE	9·6	10		Ditto ditto
1 21	715	907	76·0	68 3	590	65	NE	8 4	10		Ditto ditto.
1-26	715	908	75·8	68 5	600	68	ENE	15·6	10		Ditto Ditto
1 31	713	906	75 9	68 6	602	68	NE	3 6	10		Ditto ditto
1-36	714	907	75 4	68 6	609	70	NNE	8 4	10		Nimbus all over : dark and gloomy
1-41	708	901	75 0	68·2	600	69	N	..	10		Ditto
1-46	704	898	74 8	68 2	603	70	N		10		Dark, gloomy with a slight drizzle
1 51	704	898	74 8	68 6	617	72	Calm	6 0	10		Ditto
1-56	700	893	75 2	68·9	624	71	Calm	.	10		Overcast
2 1	700	893	75·3	68·9	623	70	Calm	.	10		Ditto
2-6	698	891	75 2	68·9	624	71	Calm	1 6	10		Ditto
2 21	698	891	75 4	68 8	617	71	Calm	...	10		Ditto.
2 36	694	886	76·1	69·6	637	71	Calm		10		Ditto
2 51	689	881	76·4	69·3	623	69	Calm	.	10		Nimbus all over
3 6	685	877	76 9	69 9	639	69	Calm	0·6	10		Ditto
3·21	681	872	78 1	69 7	615	63	Calm	...	9		Ci Cu cloud, sky clearing up.
3 36	677	868	8 8	69 9	614	61	N	4 4	8		S lower clouds Upper clouds, Ci Cu from N
3 51	674	865	79·4	69 9	605	60	NNW		7		Nimbus clouds.
4 6	·670	861	79·8	70·0	628	59	NNW	4·2	8		Lower clouds stratus from N upper clouds, Ci Cu

No. 119. Lat. 11° 37′ N. CUDDALORE. Long. 79° 52′ E.

Five hundred and thirty-eight miles from central line of totality. Greatest obscuration 7.

Hour.	Barometer.						Wind.			
Madras time.	Corrected and reduced to 32° F.	Reduced to sea-level and constant gravity.	Dry bulb corrected.	Wet bulb corrected.	Aqueous vapour pressure.	Relative humidity.	Direction.	Amount since preceding interval, in miles per hour.	Cloud proportion.	Weather and other remarks.
A.M.	"	"	°	°	"	%				
10·0	30·007	29·948	75·8	72·2	·743	84	N	...	8	
10·15	·011	·952	76·0	72·2	·740	83	N	0·4	8	
10·30	·013	·954	76·5	72·2	·733	80	N	0	8	
10·45	·013	·954	77·0	72·4	·735	79	N	4·4	8	Sky ash coloured, cloudy.
11·0	·013	·954	77·8	72·4	·723	75	N	0·4	8	
11·15	·001	·942	79·0	73·8	·765	77	NE&N	8·8	8	
11·30	29·999	·940	80·0	73·8	·752	73	NE&N	0·4	8	
11·45	·997	·938	80·2	73·8	·749	72	N	1·2	8	
12·0	·991	·932	80·4	73·8	·747	72	NE	2·8	8	
P.M.										
0·15	·985	·926	80·0	73·8	·752	73	N	7·6	10	
0·30	·975	·916	80·0	73·8	·752	73	NNE	2·0	10	
0·45	·958	·899	80·5	74·0	·753	72	NNE	6·4	10	
1·0	·958	·899	80·0	73·0	·719	70	NE	5·2	10	
1·15	·958	·899	79·5	72·8	·717	71	NNE	2·4	10	
1·30	·954	·895	79·0	72·5	·712	72	NNE	2·4	10	
1·35	·950	·891	79·0	72·0	·692	70	...	...	...	
1·40	·948	·889	79·0	72·0	·692	70	...	...	...	
1·45	·944	·885	79·0	72·0	·692	70	NNE	3·6	10	
1·50	·940	·881	79·0	72·0	·692	70	...	...	...	
1·55	·940	·881	79·0	72·5	·712	72	...	...	...	
2·0	·936	·877	79·0	73·0	·732	74	NE	3·2	10	Cloudy, but not very dark.
2·5	·936	·877	79·0	73·2	·740	75	...	...	...	
2·10	·936	·877	79·0	73·2	·740	75	...	...	...	
2·15	·936	·877	79·0	73·2	·740	75	NE	3·2	10	
2·20	·932	·873	79·0	73·8	·765	77	...	...	...	
2·25	·932	·873	79·0	74·0	·774	78	...	...	...	
2·30	·932	·873	79·0	74·0	·774	78	NNE	5·6	10	
2·45	·930	·871	79·0	74·2	·782	79	NNE	4·4	10	
3·0	·918	·859	80·0	75·0	·802	78	NNE	9·6	8	Sun shone brightly for four or five minutes, when a few drops of rain fell. Afterwards the sky looked dim and cloudy until 4 P.M., when it became clear and the sun bright as usual.
3·15	·928	·869	79·5	75·0	·816	82	NNE	4·0	8	
3·30	·928	·869	79·5	75·0	·809	80	NNE	4·8	8	
3·45	·928	·869	79·5	75·2	·818	81	NNE	6·0	8	
4·0	·932	·873	79·0	75·0	·816	82	NNE	7·2	8	

No 120 Lat. 9° 55′N. MADURA. Long. 78° 10′E

Five hundred and fifty-four miles from central line of totality Greatest obscuration 7

Hour	Barometer		Dry bulb corrected	Wet bulb corrected	Aqueous vapour pressure	Relative humidity	Wind		Cloud proportion	Proportion of eclipse total by 10	Weather and other remarks
Madras time.	Corrected and reduced to 32°F	Reduced to sea level and constant gravity					Direction	Amount since preceding interval, in miles per hour			
A M	"	"	°	°	"	%					
10-8	29 564	29·950	79·6	69·2	573	57	NNE	..	9		Almost the whole sky covered with S Cu clouds passing to W
10-23	560	946	80 0	69 5	582	57	NNE	5 2	9		
10 38	559	945	80 2	69 8	589	57	NNE	6 8	8		S Cu clouds covering a large portion of sky and Ci. S. clouds a small portion in W
10-53	555	940	80·9	69 8	581	56	NNE	7 2	8		S Cu clouds covering a large portion of sky and Ci S clouds a small portion in E
11 8	554	938	81 8	70·1	580	53	NNE	4 0	6		A Cu clouds in the zenith and E, and Cu. Cu clouds in W
11 23	543	926	82 7	70·1	569	51	NNE	6 0	5		
11 38	538	920	83 7	70 2	558	48	NNE	4 8	6		
11 48	535	·917	83 9	70 4	563	48	NNE	6 0	8	1	Eclipse commenced at 11-47 A M from S. W S Cu clouds in the zenith and A Cu clouds in W
11 58	535	917	84 2	70·5	564	48	NNE	4 8	8	2	Ditto
P M											
0-8	534	915	84 7	71·3	587	49	NNE	5 4	9	4	Ditto
0 18	530	912	83 1	70·8	590	51	NNE	4 8	9		0-18 P M to 2 P M sun hidden by clouds
0 28	524	·907	82 8	70·5	582	52	NNE	4 2	9		S Cu clouds in the zenith and E
0-38	521	904	82·1	70 1	576	52	NNE	6 0	10		0-38 P M to 1-38 P M sky wholly covered with S. Cu clouds passing westwards
0-48	515	898	81 8	70·0	576	53	NNE	6·0	10		
0-58	514	898	81 3	70 0	583	55	NNE	6 6	10		
1-8	510	894	80·9	70 0	587	56	NNE	4 2	10		
1 18	503	887	80 9	70 3	601	57	NNE	6·0	10		
1 28	497	881	80·9	70·1	593	56	NNE	6 0	10		
1-38	493	877	80 9	70·1	593	56	NNE	4 8	10		
1 48	485	869	80·9	70·1	593	56	NNE	7 2	9		A Cu clouds in E. and S Cu clouds in other parts of sky
1 58	485	869	81 1	70 1	590	56	NNE	7·8	9		Do. passing westwards.
2 8	479	863	81 6	70 2	585	54	NNE	6·0	9		Ditto
2 18	477	861	81 8	70·2	584	54	NNE	9 6	9	2	Sun very slightly obscured
2-28	473	857	82 3	70 2	577	52	NNE	5 4	9		At 2-36 P M the eclipse ended full round sun visible, S Cu. clouds passing westwards
2 38	469	851	82 7	71 4	618	55	NNE	4 8	9		Almost the whole sky covered with S Cu clouds moving westwards
2 53	469	853	82·0	71 2	620	57	NNE	8 4	8		
3-8	469	852	81 9	70·6	598	55	NNE	8 8	10		The whole sky was completely covered with S. Cu clouds passing westwards and the sun was not visible
3 23	469	852	81 7	70 6	601	56	NNE	6 8	10		
3-38	475	860	80 7	70·3	602	58	NNE	8 8	10		
3 53	477	861	80·7	70·2	599	57	NNE	4 8	10		
4-8	477	861	80 5	70 2	597	57	NNE	4·8	10		

No. 121. Lat. 31° 6′ N. SIMLA. Long. 77° 12′ E

Five hundred and sixty-five miles from central line of totality. Greatest obscuration 7.

Hour. Madras time.	Barometer. Corrected and reduced to 32° F.	Dry bulb corrected.	Wet bulb corrected.	Aqueous vapour pressure.	Relative humidity.	Wind. Direction.	Wind. Amount since preceding interval, in miles per hour.	Cloud. Proportion.	Cloud. Kind.	Proportion of eclipse, totality 10.	Nocturnal radiation thermometer corrected.	Self-registering solar radiation thermometer corrected.	Non-self-registering solar radiation thermometer corrected.	Weather and other remarks.
	"	°	°	"	%									
A.M. 10-12	23·196	48·6	36·7	·095	28	NNE	...	Nil	...		56·7	94·7	...	Clear.
10-27	·198	49·1	37·2	·100	28	NNE	5·0	"	...		56·7	108·5	...	Do.
10-42	·202	49·1	37·3	·102	29	NNE	5·0	"	...		56·7	109·5	...	Do.
10-57	·204	49·6	38·3	·116	32	NNE	5·0	"	...		56·7	112·4	...	Do.
11-12	·206	50·1	38·3	·111	30	NNE	3·0	"	...		56·7	111·5	...	Do.
11-27	·202	50·5	38·3	·107	28	NNE	3·0	"	...		56·7	112·6	110·1	Do.
11-42	·198	50·9	38·7	·110	30	NNE	3·0	"	...		56·7	116·5	113·6	Do.
11-57	·198	50·6	37·9	·097	26	NNE	3·0	"	...		56·7	116·3	113·7	Do.
P.M. 0-12	·196	50·9	37·7	·091	25	NNE	4·0	"	...		56·7	115·8	112·6	Do. Eclipse began at 0h. 11m. 25s.
0-17	·194	51·0	37·7	·090	25	NNE	4·0	"	...	1	56·7	115·2	112·0	Do.
0-22	·194	50·9	38·2	·101	27	NNE	4·0	"	...	1	56·7	112·0	107·8	Do.
0-27	·188	51·0	37·8	·092	25	NNE	4·0	"	...	2	56·7	111·5	106·9	Do.
0-32	·185	51·2	38·2	·098	26	NNE	4·0	"	...	2	56·7	111·2	105·3	Do.
0-37	·188	51·5	38·3	·097	25	NNE	4·0	"	...	3	56·7	108·8	103·2	Do.
0-42	·188	51·1	38·0	·095	26	NNE	4·0	"	...	3	56·7	105·7	99·8	Do.
0-47	·188	50·9	37·9	·095	26	NNE	4·0	"	...	4	56·7	101·5	96·2	Do.
0-52	·188	51·5	38·9	·108	29	NNE	4·0	"	...	4	56·7	98·5	92·6	Do.
0-57	·184	51·5	38·7	·104	28	NNE	4·0	"	...	4	56·7	95·5	89·3	Do.
1-2	·182	50·7	37·8	·094	26	NNE	4·0	"	...	5	56·7	91·6	85·5	Do.
1-7	·181	50·4	38·0	·101	27	NNE	4·0	"	...	5	56·4	85·8	79·7	Do.
1-12	·178	50·3	37·9	·100	27	NNE	4·0	"	...	5	56·3	83·7	78·3	Do.
1-17	·174	49·7	36·9	·089	25	NNE	4·0	"	...	5	53·3	78·9	73·6	Do.
1-22	·172	49·8	37·0	·090	25	NNE	4·0	"	...	6	51·4	74·7	69·6	
1-27	·172	49·7	37·0	·091	25	NNE	4·0	"	...	7	50·4	71·7	67·4	Do. Eclipse was greatest at 1·27 P.M.
1-32	·163	49·2	36·3	·083	23	NNE	4·0	"	...	6	49·7	69·3	65·1	Do.
1-37	·168	49·1	36·6	·089	26	NNE	4·0	"	...	6	49·3	67·4	64·2	Do. Eclipse began to decrease at 1·37 P.M.
1-42	·168	48·8	36·4	·088	26	NNE	4·0	"	...	6	48·5	67·2	64·2	Do.
1-47	·164	49·1	36·6	·089	26	NNE	4·0	"	...	5	...	67·5	65·1	Do.
1-52	·164	49·1	36·3	·084	24	N	4·0	"	...	5	...	68·8	67·0	Do.
1-57	·162	48·7	36·3	·087	25	N	4·0	"	...	4	...	71·5	69·8	Do.
2-2	·164	48·9	36·3	·087	25	N	4·0	"	...	4	...	74·8	72·4	Do.
2-7	·162	49·1	36·8	·093	27	N	4·0	"	...	4	...	74·6	72·4	Do.
2-12	·164	48·9	36·4	·088	25	N	5·0	"	...	4	...	82·5	79·3	Do.
2-17	·162	49·0	36·8	·094	27	N	5·0	"	...	3	...	87·7	83·0	Do.
2-22	·162	49·1	37·0	·098	28	N	5·0	"	...	3	...	91·4	87·4	Do.
2-27	·160	49·1	37·0	·098	28	N	5·0	"	...	2	...	94·1	89·4	Do.
2-32	·162	49·4	37·3	·099	28	N	5·0	"	...	1	...	98·5	95·8	Do.
2-37	·158	49·3	37·1	·097	27	N	5·0	"	...	1	...	101·2	98·3	Do.
2-42	·162	49·3	37·1	·097	27	N	5·0	"	...		...	101·5	98·4	Do.
2-47	·160	49·4	37·2	·098	27	N	5·0	"	...		...	104·7	101·5	Do. Eclipse wholly disappeared at 2h. 48m.
3-2	·162	49·5	37·3	·098	27	N	5·0	"	...		...	107·2	103·2	Do.
3-17	·166	49·7	37·3	·095	26	N	4·0	"	...		...	107·6	102·5	Do.
3-32	·166	49·7	37·5	·100	28	N	4·0	"	...		...	106·6	100·9	Do.
3-47	·168	50·5	38·3	·107	28	N	4·0	"	...		...	105·5	100·3	Few Ci. clouds moving from WSW came over the sun and continued passing till 4-12 P.M.
4-2	·169	50·1	38·3	·111	30	N	4·0	1	Ci.		...	105·1	98·4	
4-12	·169	50·7	38·3	·104	27	Calm	4·0	1	Ci.		...	104·9	98·3	

No 122 Lat, 10° 46′ N

NEGAPATAM

Long 79° 53′ E.

Five hundred and eighty four miles from central line of totality Greatest obscuration 7

Hour Madras time	Barometer Corrected and reduced to 32° F	Barometer Reduced to sea-level and constant gravity	Dry bulb corrected	Wet bulb corrected	Aqueous vapour pressure	Relative humidity	Wind Direction	Wind Amount since preceding interval in miles per hour	Cloud proportion	Weather and other remarks
A M	"	"	°	°	"	%				
10 1	30 005	29·903	72 6	70 4	·715	89	NNE		10	10·1 A M to 2·6 P M drizzling 10·1 A.M to 1 11 P M dark and gloomy weather
10 16	001	899	72·8	70 5	717	89	N	7 2	10	The day dawned with dark gloomy weather light wind from north and light showers Sun hardly visible during the day
10 31	29·999	897	73 1	70·6	·717	88	NW	17·2	10	At the supposed time of eclipse it resembled a dusky twilight.
10·46	994	892	73 3	70 6	715	87	NW	8 8	10	The weather was cloudy and with drizzling rain at intervals and the wind varying in force from light to strong and equally
11·1	992	890	73 8	70 6	707	85	NW	7 6	10	Sea smooth to slight. The succeeding night and the following day were more or less the same. Total rainfall up to 4 P M, 0·68 inch
11 16	978	876	74 3	70·9	712	85	NW	8 8	10	
11 31	972	·869	75·2	71 2	711	81	NNE	9·2	10	
11 46	964	861	75 3	71 3	714	81	NW	7·2	10	
11 56	960	858	74 9	71 0	707	82	NW	14 4	10	
P M										
0 1	·958	856	74 3	70·8	702	84	N	13 2	10	
0·6	956	854	74 0	71 0	720	86	NW	13·2	10	
0 11	952	850	73 8	71 2	731	88	NW	10 8	10	
0·16	950	848	73 7	70·9	722	87	NW	6 0	10	
0·21	948	846	73 7	70·9	722	87	NW	9 6	10	
0·26	946	844	73 7	70 9	722	87	NW	3 6	10	
0 31	942	840	73 7	70 8	716	86	WNW	2 4	10	
0 36	·940	838	73 7	70 9	722	87	NW	3 6	10	
0 41	938	836	73 8	70 9	720	86	NW	1 2	10	
0 46	938	836	73 8	70 9	720	86	NW	6 0	10	
0 51	938	836	73 7	70 8	716	86	NW	10·8	10	
0 56	·932	830	73 9	71 0	721	86	NW	3·6	10	
1 1	·930	828	73 9	71 0	721	86	NW	3 6	10	
1 6	928	826	74 1	71 1	723	86	NW	9 6	10	
1 11	928	826	74 2	71 0	717	85	NW	3 6	10	
1 16	928	826	74 2	71 1	722	86	NW	3·6	10	1 16 P M to 2 31 P M dusky twilight
1 21	928	826	74 4	71 2	722	85	NW	6 0	10	
1 26	926	824	74 5	71 2	721	85	NW	7·2	10	
1·31	924	822	74 8	71 4	724	84	NW	7 2	10	
1 36	918	816	74 9	71 4	724	84	NW	1 2	10	
1 41	916	813	75·0	71 5	726	84	NW	3·6	10	
1 46	914	812	74 9	71 3	720	83	NW	2 4	10	
1 51	910	808	74 9	71 4	723	84	W	6·0	10	
1 56	908	806	74 8	71 2	718	83	W	7.2	10	
2 1	906	804	74 4	70 9	712	84	W	4 8	10	
2 6	906	804	74 4	70 9	712	84	W	3 6	10	
2 11	904	802	74 3	71·0	716	85	NW	4 8	10	2 11 P M to 2·31 P M raining
2 16	904	802	74 3	70·9	713	84	NW	3 6	10	
2 21	902	800	74 2	71 0	717	85	NW	4 8	10	
2·26	900	798	74·2	71 1	722	86	NW	6 0	10	
2 31	900	798	74 1	71 2	726	86	NW	8·4	10	
2 36	898	796	74 2	71 3	729	86	NW	7 2	10	
2·41	898	796	74 1	71 2	726	86	NW	6·0	10	
2·46	898	796	74 0	71 0	720	86	NW	7 2	10	2 36 P M to 2·56 P M drizzling and dark gloomy weather
2 51	896	794	73 9	71·0	721	86	NW	2·4	10	
2 56	896	794	73 8	70·8	715	86	NW	7 2	10	
3 1	896	794	73 8	71 7	750	90	NW	4 8	10	
3 16	896	794	73 8	71 6	747	89	N	3 6	10	
3 31	893	791	73 8	71 8	752	90	E	4 4	10	3 1 P M to 4·1 P M raining
3 46	893	791	73 8	71 8	752	90	NW	6·8	10	
4 1	893	791	74 5	72 6	776	91	NW	6 4	10	

No. 123. Lat. 8° 44′ N. TINNEVELLY (Palamcotta). Long. 77° 44′ E.

Five hundred and ninety-three miles from central line of totality. Greatest obscuration 7.

Hour.	Barometer.		Dry bulb corrected.	Wet bulb corrected.	Aqueous vapour pressure.	Relative humidity.	Wind.		Cloud.		Weather and other remarks.
Madras time.	Corrected and reduced to 32° F.	Reduced to sea-level and constant gravity.					Direction.	Amount since preceding interval, in miles per hour.	Proportion.	Kind.	
A.M.	"	"	°	°	"	%					
10·10	29·840	29·939	80·1	69·0	·561	55	NNW	—	8	S. Cu.	The sky heavily clouded throughout the day.
10·25	·832	·931	80·8	69·0	·557	52	WNW	4·4	8	Cu.	
10·40	·832	·931	80·3	69·0	·558	54	N	4·8	8	Cu.	
10·55	·834	·933	81·9	70·0	·574	52	N	5·6	8	Cu.	
11·10	·834	·933	82·7	70·0	·564	50	N	10·4	4	A. Cu.	
11·25	·825	·924	83·1	70·1	·563	49	NNW	2·0	9	Cu.	
11·40	·821	·920	83·1	70·1	·563	49	NNW	24·0?	9	S. Cu.	
11·55	·818	·917	83·9	70·6	·572	47	N	6·0	10	S. Cu.	
P.M.											
0·10	·812	·911	83·9	71·0	·586	50	NNE	0·8	10	S. Cu.	
0·25	·807	·900	84·1	71·8	·616	53	NNE	11·8	10	S. Cu.	
0·40	·796	·894	83·3	71·0	·575	51	NNE	6·4	4	A. Cu.	
0·55	·788	·886	83·9	71·9	·622	54	NNE	3·2	10	M. Cu.	
1·10	·780	·878	82·9	70·2	·569	50	N	8·0	10	S. Cu.	
1·25	·780	·878	83·0	70·1	·577	52	NNE	3·2	10	S. Cu.	
1·40	·770	·868	82·6	71·0	·604	55	N	6·4	10	N.	
1·55	·760	·858	82·8	71·0	·601	54	NNE	4·8	10	N.	
2·10	·757	·855	83·9	71·8	·619	54	NNE	1·6	10	N.	
2·25	·757	·855	83·8	71·3	·600	52	N	6·8	10	N.	
2·40	·746	·843	84·1	72·0	·624	54	NNE	3·6	10	N.	
2·55	·740	·837	83·9	72·0	·626	54	N	16·0?	10	N.	
3·10	·740	·837	83·6	72·2	·637	55	NNE	2·0	10	N.	
3·25	·740	·837	83·0	72·3	·650	58	N	2·4	10	N.	The eclipse terminated.
3·40	·750	·847	83·9	73·1	·671	58	N	1·2	10	N.	
3·55	·750	·847	83·4	73·0	·673	59	NNE	1·6	10	N.	
4·10	·750	·847	83·0	72·3	·650	58	NNE	2·8	10	N.	

No 124. Lat. 30°55′ N. LUDHIANA. Long 75° 54′ E

Six hundred and three miles from central line of totality. Greatest obscuration 7

Hour Madras time	Barometer Corrected and reduced to 32°F	Barometer Reduced to sea-level and constant gravity	Dry bulb corrected.	Wet bulb corrected	Aqueous vapour pressure.	Relative humidity	Wind Direction	Wind Amount since preceding interval in miles per hour	Cloud proportion	Proportion of eclipse total ty to	Weather and other remarks.
A M	"	"	°	°	"	%					
10 0	29·226	30·052	60 7	51 7	266	50	WSW		Nil		Weather fine and atmosphere cool
10·15	231	055	62·1	52 1	258	46	WSW	2 8	,		
10·30	233	034	63 7	53 7	282	48	W	2 4	,,		
10·45	230	046	65·9	53 7	253	39	WNW	3 2	,,		
11·0	233	047	66 9	54·3	257	39	Calm	2 0			
11 15	230	041	68 7	54 7	244	35	WNW	2 0	,,		
11 30	223	033	69 7	54 7	231	3"	WNW	2·4	,		
11·45	·213	020	70·7	54·9	·227	30	WNW	4 4	,		
12 0 P M	210	014	71 9	55 7	·230	29	NW	3 6	,,		
0 15	207	010	72·9	55 9	·223	28	NW	4 4	,,		
0·20	209	012	73 1	55 9	·220	27	NW	6 0	,,	1	Eclipse commenced from S W at 0·19 P M.
0 25	·207	010	73 1	56 1	226	28	NW	2 4	,	2	
0 30	205	·007	73 3	55 7	·212	26	NW	2 4	,,		Daylight decreasing
0·35	195	29 997	73 5	55 7	·209	25	NW	3 6	,,		
0 40	201	30·003	73 3	55 7	·212	26	NW	6 0	,		Daylight looked yellow
0 45	197	29·999	73 3	55 7	212	26	NW	3 6	,,		
0 50	199	30 001	73 3	55·7	212	26	WNW	5 0	,,	3	
0·55	190	29·993	73 1	55 5	209	26	NW	4 8	,,		
1·0	186	988	73·1	55 5	209	26	NW	2 4	,,		
1 5	188	991	72 7	55 5	214	27	NW	2 4	,		
1 10	190	994	72 7	55·5	214	27	NW	4 8	,,	4	
1 15	193	997	72 3	55 3	214	27	NW	3 6	,		
1 20	188	992	72 1	55·1	·211	27	NW	3 6	,,		
1 25	182	986	71 7	55·1	216	28	NW	3·6	,,	5	
1 30	184	988	71 7	55 1	216	28	NW	3 6	,		
1 35	184	988	71 5	55 1	217	28	NW	3 6	,,	6	
1 40	176	·980	71 3	54 9	214	28	NW	2 4	,,	7	Daylight turned deep orange colour
1 45	176	980	71 5	55 5	230	30	NW	3 6	,	6	
1 50	176	980	71 3	55·3	227	29	NW	1 2	,,		Daylight was as dim as before sun set.
1 55	180	984	71 3	55 5	233	30	NW	1·2	,,		
2·0	174	978	71 5	55 5	230	30	NW	3 6	2		
2 5	174	978	71 7	55 5	227	29	N	3·6	2		
2 10	174	977	71 9	55 7	230	30	NW	3 6	2	5	
2 15	172	976	72 1	55 9	233	29	NW	1·2	1	4	
2 20	170	973	73 3	55 7	212	26	NW	2 4	1		
2·25	174	977	72 5	56·1	233	29	NW	3 6	1	3	
2 30	170	972	72·7	55·9	225	28	NW	3 6	1	2	
2 35	174	975	72 9	56 3	·235	29	NW	1 2	1	1	Daylight getting brighter
2 40	174	974	73 5	56·7	238	29	NW	6·0	1		
2 45	171	972	73 1	56 5	238	30	NW	4 8	1		
2 50	171	972	73 3	56·5	235	29	NW	4 8	1		Eclipse terminated at 2·49 P M
3·0	171	972	73·5	56 1	220	26	NW	2 4	2		Patches of white clouds moving from W
3 15	179	980	73 5	56 5	233	29	NW	2 8	3		
3·30	175	976	73·7	56 5	231	28	NW	3 6	3		
3·45	185	986	73 7	56·9	241	29	W NW	4 0	3		
4·0	187	987	73 9	56·3	223	26	WNW	5 6	2		

No. 125. Lat. 9° 17′ N. PAMBAN. Long. 79° 10′ E.

Six hundred and twenty-eight miles from central line of totality. Greatest obscuration 7.

Hour.	Barometer.						Wind.		Cloud.			
Madras time.	Corrected and reduced to 32° F.	Reduced to sea-level and constant gravity.	Dry bulb corrected.	Wet bulb corrected.	Aqueous vapour pressure.	Relative humidity.	Direction.	Amount since preceding interval, in miles per hour.	Kind.	Direction of motion.	Proportion of eclipse, totality 10.	Weather and other remarks.
A.M.	°	°	°	°	"	%						
10·4	29·964	29·928	76·8	73·8	·795	86	N	...	Ci. Cu.	NNW to SSE		Sea rough.
10·19	·964	·928	76·6	73·8	·798	87	NNE	10·0	Ci. Cu.	N to S		Ditto.
10·34	·966	·930	76·6	73·8	·798	87	NNE	10·0	Fr. Cu.	N to S		Ditto. Cloudy.
10·49	·963	·927	77·0	74·0	·801	86	NNE	30·8	S. Cu.	NNW to SSE		Sea slight. Ditto.
11·4	·968	·932	77·0	74·0	·801	86	NNE	11·2	M. Cu.	N to S		Ditto ditto.
11·19	·963	·927	76·8	74·0	·803	87	NE	16·8	M. Cu.	NNE to SSW		Ditto ditto.
11·34	·963	·927	76·8	73·8	·795	86	NE	11·2	S. Cu.	NE to SW		Ditto ditto.
11·49	·961	·925	77·0	74·0	·801	86	NE	8·0	S. Cu.	NE to SW		Ditto ditto.
11·59	·959	·923	76·8	74·0	·803	87	NNE	18·0	Cu. N.	NNE to SSW		Sea smooth. Ditto.
P.M.												
0·4	·959	·923	77·3	74·3	·809	86	NNE	66·0	Cu.	NNE to SSW		Ditto. Ditto. Sun not visible.
0·9	·953	·917	77·6	74·6	·818	86	NNE	30·0	Cu.	NNE to SSW	0·5	Ditto. Sun visible.
0·14	·953	·917	77·3	74·6	·815	85	NNE	18·0	M. Cu.	N to S	1	Ditto ditto.
0·19	·949	·913	77·8	74·6	·815	85	NNE	12·0	Fr. N.	N to S	2	Sea slight. ditto.
0·24	·945	·909	77·8	74·6	·815	85	NNE	18·0	N	N to S	2·5	Ditto ditto.
0·29	·943	·907	77·8	74·6	·815	85	NNE	14·4	Fr. N.	N to S	3	Ditto ditto.
0·34	·943	·907	77·8	74·8	·823	86	NNE	4·8	Fr. N.	N to S	3·5	Sea rough. ditto.
0·39	·939	·903	78·0	74·8	·820	85	NNE	2·4	A. Cu.	NNW to SSE	4	Ditto ditto.
0·44	·933	·897	78·2	74·8	·817	84	NNE	2·4	A. Cu.	NW to SE	4	Ditto ditto.
0·49	·933	·897	78·2	74·8	·817	84	NNE	14·4	A. Cu.	N to S	4·5	Sea slight ditto.
0·54	·929	·893	78·2	74·8	·817	84	NNE	15·6	N	N to S	5	Ditto ditto.
0·59	·917	·891	77·8	74·8	·823	86	NNE	27·6	N	NNE to SSW	5·5	Sea rough ditto.
1·4	·925	·889	77·8	74·8	·823	85	NNE	38·4	N	NNE to SSW	6	Ditto ditto.
1·9	·923	·887	77·8	74·8	·823	86	NNE	40·8	Cu. N.	NE to SW	6·5	Ditto ditto.
1·14	·923	·887	77·8	74·8	·823	86	NNE	33·6	A. Cu.	NE to SW	6·5	Ditto ditto.
1·19	·921	·885	77·8	74·8	·823	86	NNE	45·6	N	NE to SW	7	Ditto ditto.
1·24	·913	·877	77·8	74·8	·823	86	NNE	19·2	Cu. N.	NE to SW	7	Ditto ditto.
1·29	·911	·875	77·3	74·3	·809	86	NNE	4·8	Fr. N.	NE to SW		Ditto Sun not visible.
1·34	·909	·873	76·8	73·8	·795	86	NNE	12·0	N	NE to SW	6·5	Ditto Sun visible.
1·37	·905	·869	76·8	73·8	·795	86	NNE	21·6	Cu. N.	NE to SW	6	Ditto ditto.
1·44	·903	·867	76·8	73·8	·795	86	NNE	8·4	Fr. N.	NE to SW	6	Ditto ditto.
1·49	·904	·868	76·8	73·8	·795	86	NNE	3·6	Cu. N.	NE to SW		Ditto Sun not visible, partly cloudy.
1·54	·901	·865	76·8	73·8	·795	86	NNE	2·4	N	NE to SW		Ditto ditto cloudy.
1·59	·897	·861	76·5	73·8	·795	86	NNE	2·4	Fr. N.	NE to SW		Ditto ditto ditto.
2·4	·893	·857	76·5	73·8	·795	86	NNE	14·4	N	NE to SW		Ditto ditto ditto.
2·9	·893	·857	76·8	73·8	·795	86	NNE	12·0	Cu. N.	NE to SW	2·5	Ditto Sun visible, partly cloudy.
2·14	·891	·855	76·3	73·3	·781	86	NNE	9·6	Cu. N.	NE to SW		Ditto Sun not visible, partly cloudy.
2·19	·892	·856	75·8	73·0	·776	87	NNE	12·0	M. Cu.	NE to SW	2	Ditto Sun visible.
2·24	·890	·854	75·8	73·0	·776	87	NNE	9·6	Fr. N.	NE to SW	2	Ditto Ditto.
2·29	·890	·854	75·8	73·3	·788	88	NNE	9·6	Fr. N.	NE to SW	1·5	Ditto Ditto.
2·34	·890	·854	75·8	73·3	·788	88	N	12·0	N	NE to SW		Ditto Sun not visible. Drizzling rain
2·39	·890	·854	75·8	73·3	·788	88	NNE	14·4	N	N to S	0·5	Ditto. Sun visible ditto.
2·44	·890	·854	75·8	73·0	·776	87	NNE	16·8	Cu. N.	N to S		Ditto. ditto ditto.
2·49	·886	·850	75·8	72·8	·767	86	N	26·4	Cu. N.	N to S		Ditto. ditto ditto.
3·4	·887	·851	75·8	72·8	·767	86	NNW	10·4	S. Cu.	N to S		Ditto. Sun not visible; cloudy
3·19	·886	·850	75·8	72·8	·767	85	NNW	12·0	M. Cu.	NW to SE		Ditto. Ditto dark gloomy.
3·34	·886	·850	75·3	73·0	·782	89	NW	19·2	S. Cu.	N to S		Ditto. Sun visible; partly cloudy.
3·49	·886	·851	74·8	73·0	·789	92	NW	16·0	N	N to S		Sea slight. Sun not visible. Dark gloomy
4·4	·888	·853	74·8	72·8	·780	90	NNW	13·2	N	NW to SE		Ditto ditto ditto.

No. 126. Lat. 20° 28′ N. AKYAB. Long. 92° 57′ E.

Six hundred and twenty-eight miles from central line of totality. Greatest obscuration 7.

Hour.	Barometer.		Dry bulb corrected.	Wet bulb corrected.	Aqueous vapour pressure	Relative humidity.	Wind		Cloud, kind and proportion.	Proportion of eclipse, totality 10.	Weather and other remarks.
Mad ras time.	Corrected and reduced to 32°F.	Reduced to sea-level and constant gravity					Direction	Amount since preceding interval, in miles per hour			
A M.	″	″	°	°	″	%					
9-10	30·054	30·017	74 8	66 6	·545	63	NE	..	*Nil.*		Blue sky turning pale towards horizon; horizon greyish.
9-40	·044	·007	75·5	67 0	·549	62	ENE	3 4	,,		Ditto.
9-55	·040	003	76·2	67 4	554	61	ENE	3·2	,,		Ditto
10-10	038	001	76 5	67 8	564	62	ENE	3 2	,,		Ditto
10-25	·031	29 994	76 9	68 2	574	62	ENE	4 8	,,		Ditto
10-40	025	·988	78 5	69 6	604	61	ENE	3·6	,,		Ditto
10-55	·018	·981	79·1	70 1	·617	61	ENE	4 4	,,		Ditto.
11-10	·010	·973	79·5	70 3	619	61	E	4 0	,,		Ditto
11-25	29·995	·958	79 8	70 3	·615	60	ENE	3 2	,,		Ditto.
11-40	·993	956	81 0	70·9	623	59	E	3 6	,,		Ditto.
11-55	·982	945	81·0	70·3	601	57	E	3·2	,,		Ditto.
P M.											
0-10	·978	·941	81 7	70·7	606	56	ESE	3 2	,,		Ditto.
0-25	·974	937	81 7	70 7	·606	56	ESE	4 0	,,		Ditto.
0-40	·966	929	82 3	71 1	614	56	SSE	4·0	,,		Ditto obscuration commenced from S.W.
0-50	·959	·922	82 7	71 9	·638	58	WSW	4 2	,,	1	Ditto.
0-55	·959	·922	82 6	72 4	661	60	WSW	3 6	,,	1	Ditto.
1-0	957	·920	82 1	72 9	686	63	WSW	7·2	,,	2	Ditto.
1-5	955	918	81 9	73 3	707	65	WSW	6·0	,,	3	Ditto getting hazy.
1-10	·953	·918	81 7	73 3	·709	65	WSW	7 2	,,	4	Ditto ditto.
1-15	953	·916	81 1	73 3	·717	67	WSW	8 4	,,	4	Ditto ditto.
1-20	·953	916	80·6	73 1	·716	68	WNW	6 0	,,	4	Ditto ditto.
1-25	954	917	80 1	72 9	·716	70	WNW	4·8	Narrow belt of Ci.	5	Narrow belt of Ci cloud towards east.
1-30	·954	·917	79 5	72·9	·724	72	WNW	8 4	Do.	5	Ditto ditto
1-35	·952	·915	79·0	72 9	·730	74	WNW	6 0	Do.	6	Ditto ditto
1-40	952	·915	78·1	73 0	·745	78	WNW	6·0	Do	6	Ditto getting more hazy
1-45	946	·909	77 5	73 0	·753	80	WNW	3 6	Do.	6	Ditto Ditto
1-50	·944	·907	77 0	73 4	·776	84	WNW	4 8	Do.	6	Ditto Ditto
1-55	·942	·905	77 0	73 5	·780	84	WNW	4 8	Do	6	Ditto Ditto.
2-0	·942	·905	77·0	73·2	·768	83	WNW	3 6	Do.	7	Ditto Ditto
2-5	·942	·905	76·4	72 9	·763	84	WNW	6 0	Do	6	Ditto Ditto.
2-10	934	897	76·6	73·0	·765	84	WNW	3 6	*Nil.*	5	Blue sky turning pale towards horizon Horizon greyish but getting brighter
2-15	·935	898	76·6	72 9	·760	83	WNW	4 8	,,	4	Ditto, ditto getting brighter
2-20	·935	·898	76·4	72·9	·763	84	WNW	4·8	,,	3	Ditto ditto ditto.
2 25	·930	·893	77 1	72·9	·753	81	WNW	4 8	,,	3	Ditto ditto.
2-30	·930	·893	77 1	72·9	·753	81	WNW	3·6	,,	2	Ditto ditto.
2-35	·930	·893	77·0	72 6	·744	80	WNW	4 8	,,	2	Ditto ditto.
2-40	928	891	77·2	72·0	·716	76	WNW	3·6	,,	1	Ditto ditto.
2-45	·928	891	77 8	71 9	·703	74	WNW	7·2	,,		Bright, sun's disc clear.
2 55	·926	·889	78·0	71 7	·694	73	WNW	5·4	,,		Ditto
3·10	·926	889	77 8	70·1	·644	66	NW	4 0	,,		Ditto.

No. 127. Lat. 25° 25′ N. HYDERABAD (Sind). Long. 68° 27′E.

Six hundred and fifty miles from central line of totality. Greatest obscuration 6.

Hour. Madras time.	Barometer. Corrected and reduced to 32°F.	Barometer. Reduced to sea-level and constant gravity.	Dry bulb corrected.	Wet bulb corrected	Aqueous vapour pressure.	Relative humidity.	Wind. Direction.	Wind. Amount since preceding interval, in miles per hour.	Cloud, kind and direction of motion	Proportion of eclipse, totality 10.	Weather and other remarks.
A.M.	′	″	°	°	″	%					
10·0	30·002	30·055	67·7	56·9	·321	47	Calm	...	A. Cu. SW to NE.		10 A.M. to 11·30 A.M. Nothing unusual.
10·15	·003	·056	68·4	57·0	·315	45	Calm	1·2	Do.		
10·30	·008	·060	71·7	58·6	·321	42	Calm	0·8	Do.		
10·45	·010	·062	73·4	59·4	·322	39	Calm	0	Do.		
11·0	·006	·058	74·5	59·6	·313	36	Calm	0	Do.		
11·15	·001	·053	74·4	59·3	·305	36	WNW	2·0	Do.		
11·30	29·997	·048	75·0	60·0	·319	37	Calm	0·4	Do.		
11·45	·996	·046	78·3	61·3	·317	32	SSW	1·6	Do.	1	11·45 A.M. to 1·45 P.M. Passing whitish clouds varying from 2 to 5 in amount. Sky blue and clear where cloudless. Nothing unusual observed in sky or clouds during eclipse.
11·50	·994	·044	77·7	61·4	·329	34	Calm	0	Do.	1	
11·55	·992	·042	78·5	61·4	·318	32	...	...	Do.	2	
12·0	·988	·038	79·0	61·4	·312	31	...	...	Do.	2	
P.M. 12·5	·985	·035	79·5	61·6	·311	30	SW	1·6	Do.	2	
0·10	·985	·035	79·0	61·4	·312	31	...	...	Do.	3	
0·15	·981	·031	80·0	61·9	·315	31	...	...	Do.	3	
0·20	·979	·029	79·5	61·4	·305	30	SW	3·2	Do.	3	
0·25	·975	·025	79·7	62·0	·321	32	...	...	Do.	4	
0·30	·975	·025	79·5	61·6	·311	30	...	...	Do.	4	
0·35	·973	·023	79·5	61·6	·311	30	...	...	Do.	4	
0·40	·969	·019	79·2	61·6	·317	31	SSW	0·9	Do.	4	
0·45	·969	·019	79·1	61·7	·320	32	...	...	Do.	5	
0·50	·967	·017	79·3	62·4	·339	33	...	...	Do.	5	
0·55	·957	·007	78·7	61·9	·332	33	SSW	2·8	Do.	5	
1·0	·955	·005	78·8	61·6	·320	32	...	...	Do.	5	
1·5	·953	·003	78·3	61·3	·317	32	...	...	Do.	6	
1·10	·949	29·999	77·8	61·3	·324	34	SW	2·8	Do.	6	
1·15	·949	·999	78·0	61·3	·321	34	...	...	Do.	6	
1·20	·947	·997	78·4	61·4	·319	32	...	...	Do.	6	
1·25	·945	·995	78·4	61·4	·319	32	SW	1·2	Do.	5	
1·30	·941	·991	78·5	61·5	·321	32	...	...	Do.	5	
1·35	·939	·989	78·8	61·6	·320	32	...	...	Do.	4	
1·40	·935	·985	79·0	62·2	·337	33	Calm	0·4	Do.	4	
1·45	·933	·983	79·5	62·4	·337	33	...	...	Do.	3	
1·50	·931	·981	79·5	62·4	·337	33	...	...	Do.	3	
1·55	·927	·977	80·5	62·4	·324	31	Calm	0·4	Do.	2	
2·0	·927	·977	80·7	62·6	·328	31	...	...	Do.	2	
2·5	·925	·975	81·2	62·6	·321	30	...	...	Do.	2	
2·10	·923	·973	81·5	62·6	·317	29	Calm	0·4	Do.	2	
2·15	·921	·971	81·8	62·6	·315	29	...	...	Do.	2	
2·20	·917	·967	82·5	62·6	·303	27	...	...	Do.	1	
2·25	·912	·962	83·0	62·6	·297	26	WSW	6·0	Do.	1	
2·30	·916	·966	83·0	63·3	·320	28	...	...	Do.		
2·45	·918	·968	84·1	63·3	·305	26	SSW	3·6	Do.		
3·0	·914	·964	84·2	63·2	·301	26	SW	2·8	Do.		
3·15	·911	·960	84·5	62·9	·287	25	SW	6·4	Do.		
3·30	·913	·962	85·4	63·2	·285	23	SSW	3·6	Do.		
3·45	·911	·960	86·5	63·6	·283	22	SSW	4·0	Do.		
4·0	·909	·958	86·1	63·4	·282	21	SW	4·0	Do.		

No 128 Lat. 21° 59′ N. MANDALAY. Long 96° 8′ E.

Six hundred and sixty three miles from central line of totality Greatest obscuration 5

Hour	Barometer.						Wind				
Madras time	Corrected and reduced to 32°F	Reduced to sea level and constant gravity	Dry bulb corrected	Wet bulb corrected	Aqueous vapour pressure	Relative humidity	Direction	Amount since preceding interval in miles per hour	Cloud proportion	Proportion of eclipse, totality 10.	Weather and other remarks.
A M	"	"	°	°	"	%					
8 56	29 804	30·031	74 6	63 2	426	50	SW		Nil		Fine clear weather
9 11	800	·026	76 2	63 4	415	45	SW	3·6	"		
9 26	800	026	77 4	64·6	440	47	SW	2 0	"		
9 41	799	024	78·2	65 2	449	46	SW	2 4	"		
9 56	820	046	78 6	65·4	451	45	SW	6·0	"		
10 11	818	043	79 2	65·8	456	46	SW	3 2	"		
10·26	820	044	79 6	66 2	465	46	SW	3 2	"		
10 41	819	043	80·2	66 4	466	45	SW	3 2	"		
10·56	820	042	81 8	67 2	473	43	SW	3 6	"		
11 11	820	·042	81 8	67 2	473	44	SW	10 4	"		
11·26	822	045	82 4	67 6	479	43	SW	12 4	"		
11 41	698	29 919	82 8	67 8	480	43	SW	1 6	"		
11 56	·698	919	83 0	68·0	485	43	SW	6 0	"		
F M											
0·11	·690	911	83 3	67·6	465	40	SW	0·4	"		
0·26	685	906	84 3	68 2	476	40	SW	6 8	"		
0 41	678	898	84 7	68·2	470	39	SW	0 8	"		
0·46	677	897	84 7	68 2	470	39	SW	1·2	"		
0·51	677	898	84 3	67 6	453	39	SW		"	2	Ditto.
0·56	677	897	84 7	68 2	470	39			"		
1 1	677	898	84 1	67 4	449	38	W	0·8	"		
1 6	672	893	84 3	67·2	439	37			"	4	Ditto.
1 11	·669	·890	84 1	68 2	478	40			"		
1 16	668	889	84 1	68·2	478	40	W	11 6	"	5	Ditto.
1·21	668	889	82 6	66 4	433	38			"		
1 26	668	889	82 6	66·4	433	38			"		
1 31	668	889	82 6	66 4	433	38	W	0·4	"		
1 36	648	869	82 2	66 2	431	39		"	"		
1 41	648	869	82 2	66·2	431	39			"		
1 46	660	882	82 2	66 2	431	39	W	0			
1 51	·660	882	82·2	66 2	431	39					
1 56	660	882	82 2	66 2	431	39			"		
2 1	660	882	82 2	66·2	431	39	W	0	"		Ditto.
2 6	660	882	82 2	66·2	431	39			"		Ditto.
2 11	654	875	82 6	66 4	433	38			"		
2 16	654	875	82 6	66 4	433	38	W	0 8	"		
2 21	646	866	83·3	66 6	430	38			"		
2 26	644	864	83 3	64 6	360	31			"		
2 31	656	876	83 3	66 2	416	36	W	0	"		
2 36	·658	879	83 3	66·2	416	36		"	"		
2 41	658	879	83·5	66·2	415	35			"		
2 46	658	879	83 5	65 6	392	34	W	0 4	"		
2·56	658	879	83 0	66 0	413	36	W	1 8	"		Ditto Sky blue from commencement to termination of eclipse

No. 129. Lat. 24° 47′ N. KURRACHEE. Long. 67° 4′ E.

Six hundred and eighty-two miles from central line of totality. Greatest obscuration 6.

Hour.	Barometer.		Dry bulb corrected.	Wet bulb corrected.	Aqueous vapour pressure.	Relative humidity.	Wind.		Cloud.			Proportion of eclipse, totality 10.	Weather and other remarks.
Madras time.	Corrected and reduced to 32° F.	Reduced to sea-level and constant gravity.					Direction.	Amount since preceding interval, in miles per hour.	Proportion.	Kind.	Direction of motion.		
A.M.	"	"	°	°	"	%							
10·53	30·075	30·056	78·0	69·2	·597	62	WNW	...	4	Ci. Cu.	W to N & NNE.		
11·8	·075	·056	78·7	68·9	·577	59	WNW	6·0	4	Ci. Cu.	W to N & NNE.		Fine weather with passing clouds. Neighbourhood of the sun clear and bright.
11·23	·075	·056	79·0	68·9	·573	58	W	9·2	4	Ci. Cu.	W to N & NNE.		
11·38	·072	·053	80·1	69·1	·565	55	W	9·2	4	Ci. S.	W to N		Ditto Wind increasing slightly.
11·43	·066	·047	80·2	68·4	·538	52	W	30·0	4	Ci. S.	Wto NE		Ditto
11·48	·064	·045	80·3	68·3	·532	51	W	3·6	4	Ci. S.	Wto NE		
11·53	·064	·045	80·4	68·5	·538	51	W	2·4	4	Ci. S.	Wto NE	1	Ditto.
11·58	·062	·043	80·5	68·7	·535	52	W	3·6	4	Ci. S.	Wto NE		Ditto.
P.M.													
0·3	·060	·041	80·8	68·8	·544	52	W	3·6	3	Ci. S.	Wto NE		
0·8	·058	·039	80·3	68·2	·529	51	W	8·4	3	Ci. S.	Wto NE	2	Ditto.
0·13	·056	·037	80·3	68·2	·529	51	W	9·6	3	Ci. S.	Wto NE		
0·18	·054	·035	80·2	68·6	·545	53	W	13·2	2	Ci. S.	Wto NE		Ditto Clouds diminishing fast.
0	·052	·033	79·9	69·1	·568	56	WSW	7·2	2	Ci. S.	Wto NE	3	
0·28	·050	·031	79·7	69·4	·582	57	WSW	10·8	1	Ci. S.	WSW. to NE		Ditto.
0·33	·048	·029	79·4	69·7	·597	59	WSW	10·8	1	Ci. S.	WSW. to NE		Ditto. Clouds clearing away towards N. E. Atmosphere getting clear and cool.
0·38	·046	·027	78·9	70·1	·620	62	WSW	8·4	1	Ci. S.	WSW to NE.	4	
0·43	·042	·023	78·8	70·2	·625	63	WSW	7·2	1	Ci. S.	WSW to NE.		Ditto.
0·48	·038	·019	78·4	70·3	·634	65	WSW	6·0	1	Ci. S.	W to NE.		Clouds clearing ditto.
0·53	·036	·017	77·9	69·9	·625	65	WSW	8·4	*Nil*	...	...		Fine clear weather.
0·58	·034	·015	78·2	70·1	·629	65	WSW	9·6	"	...	...	5	Atmosphere still very clear.
1·3	·032	·013	77·9	69·3	·603	63	WSW	8·4	"	...	...		
1·8	·032	·013	77·8	69·3	·604	63	W	9·6	"	...	...		Ditto.
1·13	·028	·009	77·6	69·4	·610	64	W	6·0	"	...	...	6	
1·18	·026	·007	77·4	69·1	·602	64	WSW	8·4	"	...	...		Ditto.
1·23	·024	·005	78·0	69·9	·624	65	WSW	9·6	"	...	...		
1·28	·024	·005	78·1	70·0	·626	65	WSW	7·2	"	...	...	5	
1·33	·022	·003	78·4	68·1	·550	57	WNW	7·2	"	...	...		
1·38	·020	·001	78·7	68·0	·542	55	WNW	9·6	"	...	...		Weather exceptionally clear.
1·43	·016	29·997	79·0	67·9	·536	54	WNW	7·2	"	...	...	4	Temperature rising.
1·48	·014	·995	79·1	68·0	·538	54	WNW	8·4	"	...	...		
1·53	·012	·993	79·2	68·1	·540	54	WSW	4·8	"	...	...		
1·58	·010	·991	79·5	68·1	·535	53	WNW	9·6	"	...	...	3	
2·3	·010	·991	79·9	68·1	·530	52	W	8·4	"	...	...		
2·8	·008	·989	80·2	67·9	·519	50	WSW	9·6	"	...	...		
2·13	·005	·989	80·6	67·7	·506	48	WNW	9·6	"	...	...	2	
2·18	·003	·984	80·8	67·3	·489	46	W	10·8	"	...	...		
2·23	·003	·984	80·9	67·8	·506	48	WNW	9·6	1	Ci. S.	WSW to NNE.		Fine weather with passing clouds.
2·28	·001	·982	81·4	67·9	·503	47	WNW	7·2	1	Ci. S.	WSW to NNE.	1	Ditto.
2·33	·001	·982	82·0	68·2	·506	46	WNW	9·6	2	Ci. S.	WSW to NNE.		Ditto.
2·38	·001	·982	82·1	68·3	·508	46	WNW	10·8	2	Ci. S.	WSW to NNE		
2·53	29·999	·980	82·5	67·3	·466	42	W	6·4	3	Ci. Cu.	Wto NE	0	
3·8	·999	·980	82·8	68·2	·496	44	WSW	8·4	*Nil*	Ci. S.	W to NNE.		
3·23	·999	·980	82·6	68·1	·494	44	WSW	8·8	2	Ci. S.	Wto NE		
3·38	·996	·977	82·9	70·1	·566	50	WSW	7·6	1	Ci. Cu	WNW to NE.		
3·53	·996	·977	82·6	69·7	·554	49	WSW	12·8	*Nil*	...	...		Fine clear weather. Wind increasing
4·8	·996	·977	82·5	69·3	·540	48	WSW	6·8	"	...	...		
4·23	·998	·979	82·5	70·3	·578	52	WSW	8·4	"	...	...		Ditto. Strong winds.
4·38	30·000	·981	82·9	69·7	·562	51	WSW	9·2	"	...	...		
4·53	·004	·985	82·1	71·6	·635	58	WNW	10·0	"	...	...		

No. 130. Lat 31° 34′ N. **LAHORE** Long 74° 20′ E.

Six hundred and twenty-three miles from central line of totality. Greatest observation 7

Hour Madras time	Barometer: Corrected and reduced to 32° F.	Barometer: Reduced to sea level and to standard gravity	Dry bulb corrected	Wet bulb corrected	Aqueous vapor pressure	Relative humidity	Wind: Direction	Wind: Amount since preceding interval in miles per hour	Cloud: Proportion	Cloud: Kind	Direction of motion	Proportion of total passing totality	Nocturnal radiation thermometer corrected	Solar radiation thermometer corrected	Weather and other remarks
A M	"	"	°	°	"	%							°	°	
10·24	29 339	30046	63 7	54 3	299	50	Calm		1	A Cu	W to E		77 3	117 0	10·24 A.M to 10·54 A.M Partial cloud colour white and transparent coming from W.
10·39	345	·051	64 4	54 2	·285	47	Calm	0	1	A. Cu	W to E		77 3	117·0	
10·54	339	064	65 8	54 5	277	43	W	0	1	A Cu	W to E		77 6	118 2	
11·9	345	048	66 5	54 5	·268	40	Calm	0 8	0		...		78 5	121·0	Blue sky
11·24	332	033	67 6	54 5	254	37	W	0 8	0				80 7	121 2	Do.
11 39	332	032	68 5	55·9	281	41	NW	0 8	1	Ci	W to E		84·7	126·0	
11 54	325	023	69 6	56 3	279	38	WNW	1 6	0	...	...		83 5	124·2	Do W
P M 0·9	319	015	70·8	57 1	287	38	WNW	1 2	1	Ci	W to E	0·5	84 7	126·0	Do
0·14	317	·013	71 0	57 2	286	38	SW	1 2	1	Ci	W to E	1	83 7	124·2	0·9 P M to 2·44 P M clouds moving from W, excepting from 0·59 P M to 1·29 P M and 2·39 P M from W S W Eclipse commenced at 0·9 P M from S W and ended at NE at about 2·45 P M extending all over the sky leaving a little patch in the W unaffected. Both the eternal and internal contacts of shadow were thoroughly visible. The light of the sun in the middle of the eclipse became a little pale or yellowish wh le the weather and the sky were quite clear
0 24	314	·009	71 7	57 4	283	36	W	1 2	1	Ci	W to E	2	83 7	122·0	
0 29	309	003	71 8	58 2	306	40	Calm	1·2	1	A Cu	W to E	2	82·9	119 2	
0·34	·308	002	72 0	58 4	310	40	S	1 2	2	Ci	W to E	3	82·9	118 8	
0·39	308	002	71 8	57 9	296	38	Calm	0	2	Ci	W to E	3	84 2	118 0	
0 44	302	29 996	71 8	57 9	296	38	Calm	1 2	2	Ci	W to E	3	82·9	116·0	
0 49	300	994	71 8	58 1	303	39	W	0	2	Ci	W to E	3	82·5	111·0	
0·54	300	994	71 8	57 9	296	38	WNW	1 2	2	Ci	W to E	4	82 0	110·0	
0·59	300	994	71 8	58·2	306	40	Calm	1 2	2	Ci	W to E	4	80·2	107 0	
1 4	303	997	71 8	58 2	306	40	Calm	0	1	A Cu	WSW to ENE	4	79 7	102 5	
1·9	298	992	71 8	58 2	·306	40	Calm	1 2	1	A Cu	WSW to ENE	4	78 3	98 5	
1·14	298	992	71 8	58 2	306	40	Calm	0	1	A Cu	WSW to ENE	5	77 5	95 5	
1 19	298	993	71 6	58 2	308	40	Calm	0	1	A. Cu	WSW to ENE	6	76·8	94·0	
1 24	296	991	71 6	58 4	315	41	Calm	1 2	2	Ci	WSW to ENE	6	76 0	92·6	
1 29	291	986	71 6	58 7	324	42	Calm	0	2	A Cu	WSW to ENE	7	75 0	89 8	
1 34	289	983	71 6	58 9	331	43	Calm	0	3	Ci	WSW to ENE W to E	7	74	89 2	
1 39	289	983	71 6	58 4	315	41	Calm	0	3	Ci	W to E	7	74 2	88 8	
1 44	287	981	71·6	58 4	315	41	Calm	0	2	Ci	W to E	7	74 2	88·2	
1 49	287	981	71·6	58 5	319	42	Calm	0	2	Ci	W to E	6	74 1	89·2	
1 54	287	·981	71·6	58 5	319	42	Calm	0	2	Ci	W to E	5	75·0	90 6	
1 59	279	972	71 8	58 4	312	40	Calm	0	2	Ci	W to E	4	75 3	93 8	
2 4	283	976	71 8	59·0	·331	42	Calm	0	2	Ci	W to E	3	76 8	96·7	
2 9	287	980	72 0	58 7	319	41	Calm	0	2	Ci	W to E	2	78·0	100 0	
2 14	279	·972	72·3	58 9	321	41	Calm	0	2	Ci	W to E	2	79 1	104·2	
2 19	279	·971	72·6	58·2	·295	37	Calm	0	2	Ci	W to E	2	81 2	108·0	
2 24	279	971	72 6	58 2	295	37	Calm	0	2	Ci	W to E	1	81 5	110 8	
2 29	277	969	72 9	58·2	·291	36	Calm	0	2	Ci	W to E	1	83 7	114 8	
2 34	·277	968	73 5	58·4	290	35	N	0	2	Ci	W to E	1	83 7	117 2	
2·39	277	968	73 5	58 8	302	36	N	1 2	2	Ci	W to E	0 5	84 7	120 0	
2 44	·277	·968	73 7	59 1	309	38	Calm	2 4	2	Ci	W to E	0·3	86 3	122 0	
2 54	273	964	73·4	59 1	313	38	N	0	2	Ci	W to E	0·3	85 7	123 8	
3 9	275	96	74 3	58·9	293	35	Calm	1 2	3	Ci	WSW to ENE		84·9	123 8	
3·24	277	966	74 7	59·2	299	35	Calm	0 8	3	Ci	W to E		84 5	122·0	
3 39	·278	967	75·1	59 2	·293	33	Calm	1 2	2	Ci	W to E		83 4	121·0	
3·54	280	968	75 6	60·0	312	35	Calm	1 2	0				83 3	118 6	Blue sky
4·9	·280	968	75·6	60··	318	35	Calm	0·4	2	Ci	W to E		80 7	116·2	
4 4	28,	·973	75 8	60 2	316	35	Calm	0	2	Ci	W to E		81·7	103 5	
											W to E		80·7	111·0	

No. 131. Lat. 34° 10'N. LEH. Long. 77° 42'E.

Seven hundred miles from central line of totality. Greatest obscuration 5.

Hour. Madras time.	Barometer. Corrected and reduced to 32° F.	Dry bulb corrected.	Wet bulb corrected.	Aqueous vapour pressure.	Relative humidity.	Wind. Direction.	Wind. Amount since preceding interval, in miles per hour.	Cloud. Proportion.	Cloud. Kind.	Weather and other remarks.
A.M.	"	°	°	"	%					
10·10	19·822	26·1	22·0	·085	62	SW	...	1	Ci. S.	
10·15	·820	27·1	22·0	·079	54	...	...	...	...	
10·20	·815	27·1	22·0	·079	52	...	...	...	...	
10·25	·813	27·1	22·0	·078	52	SW	1·2	3	Ci. S.	
10·30	·805	27·9	22·8	·082	55	...	...	...	...	
10·35	·805	28·1	22·8	·079	53	...	...	...	...	
10·40	·810	28·1	22·8	·079	53	SW	1·6	4	Ci. S.	
10·45	·809	29·1	23·5	·082	53	...	...	...	...	
10·50	·801	29·0	23·4	·081	51	...	...	...	...	
10·55	·801	29·1	23·5	·082	53	SW	1·6	5	Ci. S.	
11·0	·807	29·1	23·5	·082	53	...	...	...	...	
11·5	·807	29·1	23·5	·082	53	...	...	...	...	
11·10	·799	29·1	23·5	·082	53	SW	11·6	5	Ci. S.	
11·15	·793	29·4	23·5	·080	49	...	...	...	...	
11·20	·793	29·9	23·5	·076	46	...	...	...	...	
11·25	·789	30·1	24·0	·081	49	SW	4·4	6	Ci. S.	
11·30	·788	30·1	24·0	·081	49	...	...	...	...	
11·35	·788	30·1	24·0	·081	49	...	...	...	...	Cloud amount increasing rapidly in NE.
11·40	·786	30·6	24·3	·080	47	SW	0·4	5	Ci. S.	Direction of higher clouds, SW. to NE.; a few seem to move in opposite direction.
11·45	·786	30·6	24·4	·081	48	...	...	...	...	
11·50	·783	30·6	24·4	·081	48	...	...	...	...	
11·55	·783	30·9	24·5	·082	47	SW	12·0	4	Ci. S.	
12·0	·777	31·0	24·8	·083	49	...	...	...	...	
P.M.										
0·5	·777	31·0	25·0	·087	50	...	...	...	...	
0·10	·777	31·1	25·3	·089	53	SW	2·8	5	Ci. S.	
0·15	·773	31·6	25·3	·085	48	...	...	...	...	
0·20	·773	31·7	25·4	·085	48	...	...	...	...	
0·25	·762	31·9	25·5	·087	48	SW	15·2	6	Ci. S.	
0·30	·766	32·0	25·5	·086	48	...	...	...	...	
0·35	·765	32·1	26·0	·092	51	...	...	...	...	
0·40	·764	32·1	26·0	·092	51	SW	5·6	5	Ci.,Ci. S.	Ci. seems to develop into Cu. All clouds in SW. look dark in the centre.
0·45	·764	31·9	25·3	·084	47	...	...	...	...	
0·50	·764	31·9	25·3	·084	47	...	...	...	...	
0·55	·764	31·9	25·0	·080	44	SW	4·8	6	Ci.,S.Cu.	
1·0	·758	31·9	24·5	·074	41	...	...	...	...	Colour of clouds very grey (yellowish).
1·5	·754	31·9	24·5	·074	41	...	...	...	...	
1·10	·752	31·9	24·5	·074	41	SW	3·2	5	Cu.,Ci.S.	
1·15	·744	31·9	24·5	·074	41	...	...	...	...	
1·20	·742	31·9	24·5	·074	41	...	...	...	...	
1·25	·742	31·8	24·3	·072	39	SW	0·8	6	Ci.,S.Cu.	
1·30	·732	31·7	24·0	·067	38	...	...	...	...	
1·35	·729	31·4	23·8	·068	39	...	...	...	...	
1·40	·725	31·4	23·8	·068	39	SW	2·0	7	Ci.,S.Cu.	
1·45	·726	31·1	23·5	·066	39	...	...	...	...	
1·50	·726	31·1	23·5	·066	39	...	...	...	...	
1·55	·722	31·1	23·5	·066	39	SW	6·8	6	Ci.,S.Cu.	
2·0	·720	31·1	23·5	·066	39	...	...	...	...	All the sky rather misty.
2·5	·720	31·1	23·5	·066	39	...	...	...	...	
2·10	·720	31·1	23·5	·066	39	SW	2·4	7	Ci. Cu.	
2·15	·718	31·1	23·5	·066	39	...	...	...	...	
2·20	·718	31·1	23·5	·066	39	...	...	...	...	
2·25	·718	31·4	23·8	·068	39	SW	2·0	8	Ci. Cu.	
2·30	·715	31·6	24·1	·071	39	...	...	...	...	
2·35	·707	31·9	24·4	·072	39	...	...	...	...	
2·40	·707	31·9	24·4	·072	39	SW	1·6	9	Ci.,S.Cu.	
2·45	·707	31·9	24·4	·072	39	...	...	...	...	
2·50	·707	31·9	24·4	·072	39	...	...	...	...	
2·55	·707	31·9	24·4	·072	39	SW	2·4	8	Ci.,S.Cu.	
3·0	·703	31·9	24·4	·072	39	...	...	...	...	
3·5	·703	31·9	24·4	·072	39	...	...	...	...	
3·10	·703	31·9	24·4	·072	39	SW	2·8	7	Ci. Cu.	
3·15	·703	31·9	24·4	·072	39	...	...	...	...	
3·20	·707	31·9	24·4	·072	39	...	...	...	...	
3·25	·707	31·9	24·4	·072	39	SW	0·8	8	Ci. Cu.	
3·30	·707	31·9	24·4	·072	39	...	...	...	...	
3·35	·707	31·9	24·4	·072	39	...	...	...	...	
3·40	·707	31·9	24·4	·072	39	SW	3·6	9	A.S.	
3·45	·711	31·9	24·4	·072	39	...	...	...	...	
3·50	·711	31·9	24·4	·072	39	...	...	...	...	
3·55	·711	31·9	24·4	·072	39	SW	1·6	8	A.S.	
4·0	·711	31·9	24·4	·072	39	...	...	...	...	
4·5	·707	31·9	24·4	·072	39	...	...	...	...	
4·10	·707	31·9	24·3	·071	39	SW	2·8	7	A.S.	

No 132 Lat. 30° 42′ N. MONTGOMERY. Long 73° 8′ E.

Seven hundred and five miles from central line of totality Greatest obscuration 6

Hour	Barometer		Dry bulb corrected	Wet bulb corrected	Aqueous vapour pressure	Relative humidity	Wind		Cloud		Proportion of eclipse, totality 10	Weather and other remarks
Madras time.	Corrected and reduced to 32° F	Reduced to sea level and constant gravity					Direction	Amount since preceding interval in miles per hour	Proportion	Kind		
	″	″	°	°	″	%						
A M												
10·28	29 503	30·051	69·1	55 6	265	38	Calm		1	Ci S		
10·43	511	058	70 4	56 6	277	38	Calm	0	1	Ci S		
10 58	507	052	72 1	57 1	269	34	Calm	1 2	1	Ci S		
11 13	505	·049	73 1	57 3	·262	32	WSW	0 8	1	Ci S		
11·28	498	·040	74 1	57 6	257	31	W	1 6	1	Ci S		
11 43	489	031	74 1	57·6	·257	31	SW	1 6	1	Ci S		
11 58	481	·020	75 9	58 6	264	30	SW	3 2	1	Ci S		
P M												
0 13	479	016	76 3	58 4	251	27	SW	3 6	1	Ci S	1	Eclipse commenced at 0 8 P M
0·23	470	007	76 3	58 1	244	27	WSW	4·2	1	Ci S	1	
0·28	468	·007	75 9	58 1	249	27	S	4 8	1	Ci S	2	Daylight dim obscured part of the sun looked red sky clear
0·33	466	003	76·4	58 4	251	27	W	3 6	1	Ci S.	2	Ditto ditto.
0 38	464	·001	76·1	58 1	246	27	SSW	4 8	1	Ci S	3	
0·43	460	29·997	76 6	58 1	240	26	SW	6 0	1	Ci S	3	
0·48	458	·995	76 6	58 6	255	28	SSW	4 8	1	Ci S	3	
0 53	456	·993	76·1	58 1	246	27	SSW	6 0	1	Ci S	4	
0·58	454	991	76 6	58 9	263	29	SSW	4 8	1	Ci S	4	Clouds grey sh white, sky blue daylight dim and slightly redd sh
1 3	454	·991	76 1	58 1	·246	27	SSW	6·0	1	Ci S	4	Ditto.
1 8	452	·991	75 9	58 1	·249	27	SSW	3 6	1	Ci S	4	Ditto.
1 13	450	989	76 1	58 1	246	27	SSW	3 6	1	Ci S	5	Ditto.
1 18	448	987	75 6	57·9	247	28	W	6·0	1	Ci S	5	Ditto
1 23	446	985	75 4	57 6	240	27	W	8 4	1	Ci S	6	Ditto.
1 28	446	·985	75 3	57·6	242	28	W	6 0	1	Ci. S	6	Ditto
1 33	446	985	75 3	57·9	249	28	W	4 8	1	Ci S	5	Daylight increasing
1 38	444	983	75 1	57·5	·242	28	SW	8 4	1	Ci S	5	Ditto
1 43	444	983	75 1	57 6	244	28	SW	9 6	1	Ci S.	5	Ditto
1 48	441	980	75·6	58 1	253	28	SW	9·6	2	Ci S	5	Ditto.
1 53	439	978	75 6	58 1	253	28	SSW	7·2	2	Ci S	4	Ditto.
1 58	439	976	76·1	58 1	246	27	SSW	7·2	2	Ci S	4	Ditto.
2·3	437	974	76·1	58 1	246	27	SW	8 4	2	C S	3	Ditto
2 8	437	973	76 9	58 9	260	28	S	7 2	2	Ci S.	3	Ditto
2 13	435	971	77 3	59 1	261	27	S	8 4	2	Ci S	2	Ditto
2 18	432	968	77 1	58 9	·258	28	S	9 6	2	Ci S	2	Ditto.
2 28	432	968	77 1	58·9	·258	27	S	3·0	2	Ci S	1	Ditto
2 33	432	·967	78 1	59·3	256	26	SW	7 2	2	C S	1	Ditto
2·38	430	966	77 4	59 1	·260	27	SSW	14 4	2	Ci S.	1	Ditto.
2·43	430	966	77 8	59 3	260	27	SW	8 4	2	Ci S	1	Eclipse terminated
2·48	430	·966	77 3	59·4	269	28	SW	8 4	2	Ci S		Fine weather with passing clouds.
2 58	430	965	78 1	60·1	282	28	SSW	10 2	2	Ci S.		Ditto
3 13	428	964	77 9	60 1	284	29	S	7 6	2	Ci. S		Ditto.
3·28	424	959	78·6	60 4	284	28	SW	6 4	2	Ci S.		Ditto
3·43	427	·962	78 1	60·3	·288	29	WSW	8·4	2	Ci S		Ditto.
3 58	433	968	78 4	60·9	303	31	WSW	7·6	2	Ci S		Ditto.
4 13	433	·968	78 1	60·6	·297	31	SSW	4 4	2	Ci S.		Ditto
4·28	437	·973	77·8	60·6	301	31	SW	7 6	2	Ci S.		

No. 133. Lat. 20° 15′ N. MINBU. Long. 94° 58′ E.

Seven hundred and twenty-two miles from central line of totality. Greatest obscuration 7.

Hour. Madras time.	Barometer. Corrected and reduced to 32° F.	Dry bulb corrected.	Wet bulb corrected.	Aqueous vapour pressure.	Relative humidity.	Wind. Direction.	Wind. Amount since preceding interval, in miles per hour.	Cloud proportion.	Proportion of eclipse, totality 10.	Weather and other remarks.
A.M.	"	°	°	"	%					
9·1	29·865	76·0	64·6	·458	50	ESE	...	*Nil*		Fine clear weather; whole sky blue.
9·16	·858	77·0	64·9	·455	49	ESE	2·4	"		Ditto ditto
9·31	·854	78·5	65·9	·470	48	ENE	2·8	"		Ditto ditto
9·46	·849	79·5	66·0	·460	46	NE	2·4	"		Ditto ditto
10·1	·841	80·6	66·5	·463	45	NNE	2·8	"		Ditto ditto
10·16	·837	81·8	66·7	·454	42	ENE	2·0	"		Ditto ditto
10·31	·824	82·6	66·5	·437	40	NNE	3·2	"		Ditto ditto
10·46	·817	83·1	66·7	·436	39	ESE	2·4	"		Ditto ditto
11·1	·804	83·7	66·2	·410	35	Calm	3·2	"		Ditto ditto
11·16	·792	84·7	66·8	·418	35	NNE	2·4	"		Ditto ditto
11·31	·784	84·7	66·0	·390	33	ENE	5·2	"		Ditto ditto
11·46	·771	85·7	66·8	·405	33	E	3·2	"		Ditto ditto
P.M.										
0·1	·761	86·7	66·7	·388	31	E	3·2	"		Ditto ditto
0·16	·751	86·9	66·9	·393	31	ESE	3·6	"		Ditto ditto
0·31	·741	87·7	67·3	·396	30	Calm	1·2	"		Ditto ditto
0·46	·737	89·4	65·5	·310	23	W	4·0	"		Eclipse began; sun obscured at its lower part. The wind was strong.
0·51	·730	89·0	65·7	·322	23	...	...	"		
0·56	·733	89·4	66·0	·327	23	...	...	"		
1·1	·727	89·7	66·5	·341	25	SSE	5·2	"	1	Clouds of cirrus type seen towards north-west, but not passing.
1·6	·725	89·5	65·9	·323	23	...	...	"		
1·11	·723	89·7	65·7	·313	23	...	...	"		
1·16	·722	89·7	65·8	·316	23	SSW	5·6	"	2	
1·21	·724	89·8	66·0	·322	23	...	...	"		
1·26	·719	89·8	64·9	·284	20	...	...	"		
1·31	·717	89·4	64·9	·289	21	SSW	4·4	"	4	Ditto seen towards south.
1·36	·717	88·8	63·9	·263	19	...	...	"		
1·41	·719	88·7	63·3	·243	18	...	...	"		Clouds seen towards S and N W were disappearing, and the sun shines dim.
1·46	·717	88·7	63·2	·240	18	WSW	7·2	"	5	
1·51	·717	88·4	64·2	·278	21		...	"	6	Cirrus clouds towards S disappeared totally.
1·56	·717	88·4	63·7	·261	20	...	...	"		
2·1	·711	87·9	63·6	·265	20	WSW	6·0	"	7	
2·6	·713	87·6	63·0	·249	19	...	...	"		
2·11	·712	87·7	63·1	·251	19	...	...	"		
2·16	·710	87·5	62·8	·243	19	WSW	8·4	"	5	
2·21	·710	87·7	63·2	·254	19	...	...	"		
2·26	·708	87·7	63·2	·254	19	...	...	"	4	
2·31	·708	87·5	62·6	·236	18	WSW	8·4	"	3	
2·36	·706	87·7	62·6	·234	18	...	...	"	2	
2·41	·704	87·7	62·2	·221	17	...	...	"		
2·46	·704	87·7	62·1	·218	17	WSW	10·0	"	1	
2·51	·704	87·4	61·8	·212	17	...	...	"		Very little part of the sun is obscured.
2·56	·704	87·7	61·9	·211	16	...	...	"		
3·1	·704	87·7	62·1	·218	17	WSW	14·4	"		3·6 P.M. sun was seen clear.

No. 134. Lat. 32° 29'N. SIALKOT. Long. 74° 35'E.

Seven hundred and thirty-five miles from central line of totality. Greatest obscuration 7.

Hour.	Barometer.						Wind.		Cloud.			
Madras time.	Corrected and reduced to 32°F.	Reduced to sea-level and constant gravity.	Dry bulb corrected.	Wet bulb corrected.	Aqueous vapour pressure.	Relative humidity.	Direction.	Amount since preceding interval, in miles per hour.	Proportion.	Kind.	Proportion of eclipse, totality 10.	Weather and other remarks
A.M.	°	°	°	°	°	%						
10- 0	29·202	30·050	59·6	51·9	·287	56	Calm	...	3	Ci.		Cloudy. Sun shining brightly.
10·15	·204	·048	61·6	52·4	·274	49	Calm	0	3	Ci.		Ditto. ditto.
10·30	·205	·045	63·8	53·8	·283	48	Calm	0	3	Ci.		Ditto. ditto.
10·45	·207	·045	65·0	54·9	·299	49	Calm	0	3	Ci.		Ditto. ditto.
11- 0	·209	·046	66·1	56·0	·317	49	WSW	1·2	3	Ci.		Ditto ditto.
11·15	·201	·036	67·0	56·3	·314	47	Calm	0·8	3	Ci.		Ditto. ditto.
11·30	·198	·031	68·0	57·3	·330	48	Calm	0·8	2	Ci		Ditto. ditto.
11·45	·194	·027	68·4	57·2	·322	46	SW	2·1	2	Ci.		Ditto. ditto.
12·0	·186	·018	69·2	57·7	·326	46	WNW	2·8	2	Ci.		Ditto. ditto.
P.M.												
0·10	·186	·014	70·8	59·0	·345	45	Calm	1·8	2	Ci.	1	Ditto. Eclipse commenced.
0·15	·182	·010	70·8	59·1	·348	46	Calm	0	3	Ci.		Ditto.
0·20	·179	·006	71·0	59·2	·348	45	Calm	0	3	Ci.		Ditto.
0·25	·177	·002	71·8	59·4	·343	43	Calm	0	3	Ci.	2	Ditto.
0·30	·177	·002	71·8	59·2	·328	43	WNW	6·0	4	Ci.		Ditto.
0·35	·175	·002	71·8	59·2	·328	43	Calm	0	4	Ci.	3	Ditto.
0·40	·171	29·997	71·4	58·6	·325	42	...	...	4	Ci.	4	Ditto. Cloud around the sun.
0·45	·171	·996	71·8	59·2	·338	43	Calm	0·6	5	Ci.		Ditto.
0·50	·169	·995	71·6	58·8	·327	42	Calm	0	5	Ci.		Ditto. Sun covered by thin layer of clouds.
0·55	·166	·992	71·6	58·4	·316	41	Calm	0	5	Ci.	5	Ditto.
1- 0	·162	·987	71·8	59·2	·338	43	Calm	0	5	Ci.		Ditto.
1- 5	·160	·985	71·8	59·2	·338	43	Calm	0	5	Ci.		Ditto.
1·10	·158	·984	71·4	58·6	·325	42	Calm	0	5	Ci.	6	Ditto.
1·15	·158	·985	71·2	58·2	·313	42	Calm	0	5	Ci.		Ditto.
1·20	·154	·981	70·8	59·0	·345	45	Calm	0	5	Ci.	7	Ditto. Cloud around the sun.
1·25	·154	·980	71·4	59·4	·348	45	Calm	0	5	Ci.		Ditto.
1·30	·154	·981	71·0	59·2	·348	45	Calm	0	5	Ci.	6	Ditto.
1·35	·153	·978	71·0	59·2	·348	45	Calm	0	5	Ci.		Ditto.
1·40	·152	·979	71·0	59·2	·348	45	Calm	0	5	Ci.		Ditto.
1·45	·150	·976	71·6	59·9	·362	47	Calm	0	5	Ci.	5	Ditto.
1·50	·146	·972	71·6	59·7	·355	46	Calm	0	5	Ci.		Ditto.
1·55	·145	·971	71·4	59·4	·348	45	Calm	0	5	Ci.		Ditto.
2- 0	·148	·973	71·2	59·2	·345	45	Calm	0	5	Ci.	4	Ditto.
2- 5	·148	·973	71·8	59·7	·335	46	Calm	0	5	Ci.		Ditto. Sun clouded.
2·10	·146	·970	72·4	60·0	·354	44	Calm	0	5	Ci.	3	Ditto. Ditto.
2·15	·142	·966	72·6	60·0	·352	44	WNW	1·2	5	Ci.		Ditto. Ditto.
2·20	·144	·967	72·8	60·2	·356	44	Calm	0	5	Ci.		Ditto.
2·25	·144	·967	72·8	60·0	·349	43	Calm	0	5	Ci.	3	Ditto. Sun covered by thin layers of cloud.
2·30	·148	·971	73·2	60·2	·350	43	W	1·2	6	Ci.		Ditto.
2·35	·150	·973	72·8	59·5	·334	42	Calm	1·2	6	Ci.	1	Ditto.
2·40	·146	·969	73·0	60·0	·346	43	Calm	0	6	Ci.		Ditto. Eclipse ended at 2·40 P.M.
2·45	·146	·968	73·4	60·1	·345	42	Calm	0	6	Ci.		Ditto.
3- 0	·152	·976	73·0	59·6	·333	41	WNW	0·8	6	Ci.		Ditto. Sun covered by clouds.
3·15	·152	·976	73·1	59·9	·342	42	Calm	0	7	Ci.		Ditto. Ditto.
3·30	·154	·978	73·2	60·1	·347	43	Calm	0	7	Ci. S.		Ditto. Ditto.
3·45	·158	·983	72·7	60·1	·354	44	Calm	0	7	Ci. S.		Ditto. Ditto.
4- 0	·162	·987	72·6	59·3	·330	41	Calm	0	7	Ci. S.		Ditto. Ditto.

No. 135. Lat. 30° 10′N. MOOLTAN. Long. 71° 33E

Seven hundred and fifty-two miles from central line of totality. Greatest obscuration 7.

Hour.	Barometer.						Wind.		Cloud.				
Madras time.	Corrected and reduced to 32° F.	Reduced to sea-level and constant gravity.	Dry bulb corrected.	Wet bulb corrected.	Aqueous vapour pressure.	Relative humidity.	Direction.	Amount since preceding interval, in miles per hour.	Proportion.	Kind.	Direction of motion.	Proportion of eclipse, totality 10	Weather and other remarks.
A.M.	"	"	°	°	"	%							
8·35	29·619	30·039	55·1	49·5	·282	64	Calm	...	*Nil*	...	...		Sky clear from 8-35 A.M. to 3-20 P.M. and cloudy from 3-35 P.M to 4-35 P.M. Thick cloud suddenly appearing in the SW. at 3-35 P.M.
9· 5	·622	·039	58·3	50·3	·260	53	Calm	0	"	...	...		
9·35	·628	·041	61·5	51·3	·245	44	Calm	0·2	"	...	...		
10· 5	·632	·043	64·2	53·0	·256	42	SE	0·4	"	...	...		
10·35	·637	·047	66·2	55·3	·295	45	SE	1·4	"	...	...		
10·50	·644	·052	68·0	55·5	·276	41	S	2·8	"	...	...		
11· 5	·648	·054	69·5	55·5	·256	36	SSE	0·8	"	...	...		
11·20	·639	·044	71·0	56·5	·266	36	SSW	0·4	"	...	...		
11·35	·636	·039	72·5	57·1	·263	33	SE	1·2	"	...	...		
11·50	·634	·037	73·0	57·5	·270	34	SSE	9·6	"	...	...		
P.M.													
0· 5	·628	·030	74·0	57·5	·256	31	SSE	6·4	"	...	...	Slightly obscured.	Eclipse commenced at 12-0 A.M. from SE. The largest portion of the sun's disc obscured was a little over than two-thirds, after which the obscuration decreased and completely cleared in one hour and 18 minutes towards NW. The rays of the sun were of brown reddish colour 20 minutes after the commencement to 20 minutes before the end of the eclipse.
0·15	·622	·024	74·2	57·5	·253	31	SSE	1·2	"	...	...	Little obscured.	
0·25	·611	·012	74·5	58·0	·264	31	S	7·2	"	...	...	1	
0·35	·598	29·999	74·8	58·5	·276	32	SE	7·8	"	...	...	2	
0·45	·601	30·002	74·8	58·5	·276	32	SE	4·2	"	...	...	3	
0·55	·591	29·992	74·5	58·0	·264	31	SE	1·8	"	...	...	4	
1· 5	·591	·992	74·5	57·5	·250	30	SE	3·0	"	...	...	5	
1·15	·582	·984	73·5	57·9	·275	34	SE	1·2	"	...	...	6	
1·25	·572	·974	73·5	58·5	·293	35	Calm	0	"	...	...	7	
1·35	·572	·974	73·0	58·0	·284	35	Calm	0	"	...	...	6	
1·45	·570	·971	73·8	59·5	·320	39	Calm	0	"	...	...	5	
1·55	·570	·970	74·5	60·0	·326	38	Calm	0	"	...	...	4	
2· 5	·559	·959	75·2	60·1	·320	37	Calm	0	"	...	...	3	
2·15	·563	·962	75·5	60·1	·315	35	Calm	0	"	...	...	2	
2·25	·561	·960	75·8	60·1	·312	35	Calm	0	"	...	...	1	
2·35	·559	·958	76·4	60·5	·316	35	SE	3·6	"	...	...	A very little obscuration remained.	Perfectly cleared at 2-38 P.M.
2·50	·561	·959	77·0	61·5	·341	37	SE	1·6	"	...	...		
3· 5	·561	·959	77·0	61·5	·341	37	SE	5·2	"	...	...		
3·20	·563	·961	77·0	61·5	·341	37	S	3·2	"	...	...		
3·35	·561	·959	77·4	61·5	·335	36	SW	6·8	2	A. Cu.	SW to NE		
3·50	·556	·954	77·4	61·5	·335	36	SW	0	3	A. Cu.	SW to NE		
4· 5	·564	·962	77·4	61·5	·335	36	SW	0	4	A. Cu.	SW to NE		
4·20	·567	·966	76·0	61·3	·348	39	Calm	0·8	5	A. Cu.	SW to NE		
4·35	·579	·979	75·2	61·3	·358	40	Calm	1·2	8	Cu. N.	SW to E		

No 136. Lat. 19° 22 N THAYETMYO Long 95° 12′ E

Seven hundred and seventy four miles from central line of totality Greatest obscuration 7

Hour	Barometer			Dry bulb corrected	Wet bulb corrected	Aqueous vapor pressure.	Relat ve hum d ty	Wind		Cloud proportion	Proportion of eclipse totality 10	Weather and other remarks.
Madras time.	Corrected and red ced to 32 °F	Reduced to sea level and constant gravity						D rection	Amount since preced ng m'te val in m les per hour			
A M	"	"		°	°	"	%					
9 0	29 909	29'987		79 1	67 0	501	51	W		Nil		Fine clear weather with blue sky throughout
9 15	898	974		82 1	68 8	526	48	W	2 0	,,		
9 30	893	'969		83 3	68 8	510	45	SW	0 8	,		
9·45	884	'960		84 1	68 8	500	43	SSW	2 4	,,		
10 0	881	956		86 1	67 0	407	33	SSW	0·8	,		
10 15	874	949		87 2	67 0	392	31	NNW	0			
10 30	863	938		87 2	67 0	392	30	W	0 8	,,		
10 45	854	'929		87 2	66 0	357	27	W	3 2	,,		Strong wind.
11 0	848	923		88 2	66·0	343	25	NNW	0			
11 15	839	913		89 0	66 0	332	24	W	3 2	,,		
11 30	830	'905		88·2	65 0	308	23	NW	2 8	,		
11·45	824	898		90 2	67 0	352	24	NNW	2 0	,,		
12 0	812	886		89·2	66 0	330	24	W	3·2			
P M 0 15	803	877		89 7	66 0	323	22	NW	0 8	,,		
0 30	795	869		90 2	66 0	316	23	W	3 2			Commencement of ecl pse.
0·37	797	871		90·2	66·0	316	23			,,		
0 45	789	863		89 7	66·0	323	22	WSW	2 8	,		
0·50	789	863		89·2	65 8	322	23		...	,,	1	
0 55	783	857		89 7	66·0	323	22			,		
1· 0	781	855		89·2	65 5	313	23	W	82 0?	,	2	Strong wind.
1 5	779	853		89 2	66 0	330	23					
1 10	779	853		89·2	66 0	330	24			,,		
1 15	777	851		88 4	65 2	312	23	W	2 0	,	3	
1 20	775	850		88 2	65·2	315	23			,,		
1 25	775	850		88 2	65·8	335	25					
1 30	775	850		87 7	65 0	315	23	W	4 0	,,		
1 35	775	850		87 4	65 0	318	24			,,	5	
1 40	771	846		87 2	65·0	3 2	25			,	6	
1·45	769	844		86 9	64 8	319	25	W	2 0	,	7	
1 50	768	843		86·6	64 5	313	25				6	
1 55	768	843		86·9	65 2	33°	26			,,		
2 0	769	844		86 6	64 8	323	25	W	0·8	,,	3	
2 5	769	844		86 6	64·5	313	25					
2 10	769	844		86 6	64 5	313	25			,,		
2 15	769	844		86 6	64 5	313	25	W	2 4	,	2	
2·20	769	844		86 6	64 5	313	25			,		
2 25	769	844		86 6	64 5	313	25			,		
2·30	763	838		86·6	64 8	323	25	W	2·8	,		
2 35	763	838		87 ^	65 0	322	24				1	
2 40	763	838		87 2	65 2	328	25			,		
2 45	763	838		87 4	65 5	335	26	W	4 0	,		Termination of ecl pse
2 48	763	838		87·4	65 5	335	26			,,	0	No unusual appearance of the sun.
3· 0	763	838		87 2	65 0	322	25	W	82 0?	,		

No. 137. Lat. 20° 36′ N. TAUNGGYI. Long. 97° 3′ E.

Seven hundred and seventy-five miles from central line of totality. Greatest obscuration 5.

Hour. Madras time.	Dry bulb corrected.	Wet bulb corrected.	Aqueous vapour pressure.	Relative humidity.	Wind Direction.	Cloud proportion.	Weather and other remarks.
A.M.	°	°	"	%		Nil	
8-52	64·0	54·7	·323	54	SSW		Fine clear weather throughout. 8-52 A.M. to 9-37 A.M. small cirrus clouds appeared moving from S W., and then disappeared.
9- 7	64·9	54·9	·317	52	SW	"	
9-22	65·7	55·3	·319	50	SW	"	
9-37	66·3	55·9	·328	51	SSW	"	
9-52	66·9	56·7	·344	52	SW	"	
10- 7	66·9	56·9	·349	53	SW	"	
10-22	67·9	56·9	·338	49	SW	"	
10-37	68·9	57·1	·333	47	SSW	"	
10-52	69·7	57·3	·328	44	SW	"	
11- 7	70·1	56·9	·313	42	WSW	"	
11-22	69·9	56·9	·315	43	WSW	"	
11-37	70·5	57·1	·314	41	SW	"	
11-52	70·9	56·9	·303	40	WSW	"	
P.M.							
0- 7	70·7	56·7	·300	40	WSW	"	
0-22	71·5	57·3	·308	40	W	"	
0-37	71·5	57·3	·308	40	SW	"	0-33 A.M. eclipse commenced.
0-42	71·3	57·9	·327	42	SSW	"	
0-47	71·9	57·9	·320	41	SSW	"	
0-52	70·9	57·9	·331	43	SW	"	
0-57	71·3	57·9	·327	42	WSW	"	
1- 2	71·1	57·7	·324	42	W	"	
1- 7	70·9	56·5	·292	39	WNW	"	
1-12	70·1	54·9	·257	35	WNW	"	
1-17	69·9	54·9	·259	36	W	"	
1-22	69·7	54·7	·256	36	W	"	
1-27	68·9	54·7	·266	38	WNW	"	
1-32	68·5	53·9	·249	36	WNW	"	
1-37	68·1	53·9	·254	37	WNW	"	
1-42	67·9	53·7	·251	37	W	"	
1-47	67·7	53·7	·253	38	WSW	"	
1-52	67·1	53·5	·256	39	WSW	"	
1-57	66·9	53·7	·257	40	WSW	"	
2- 2	66·9	54·1	·274	41	W	"	
2- 7	66·9	54·5	·284	43	WSW	"	
2-12	66·9	54·7	·289	44	W	"	
2-17	66·9	55·7	·316	48	W	"	
2-22	66·9	54·7	·289	44	WSW	"	
2-27	67·3	53·9	·262	39	NW	"	
2-32	67·1	53·9	·265	40	WNW	"	
2-37	66·9	53·7	·262	40	WNW	"	
2-42	66·9	53·5	·258	39	W	"	
2-47	67·1	53·9	·265	40	W	"	
2-52	66·9	53·9	·267	41	WSW	"	
2-57	67·1	53·9	·265	40	W	"	

No. 138. Lat. 28° 24′ N. JACOBABAD. Long. 68° 18′ E.

Seven hundred and eighty-five miles from central line of totality. Greatest obscuration 7.

Hour.	Barometer.						Wind.			Cloud.			
Madras time.	Corrected and reduced to 32° F.	Reduced to sea-level and constant gravity.	Dry bulb corrected.	Wet bulb corrected.	Aqueous vapour pressure.	Relative humidity.	Direction.	Amount since preceding interval, in miles per hour.	Proportion.	Kind.	Direction of motion.	Proportion of eclipse, totality 10.	Weather and other remarks.
A.M.	"	"	°	°	"	%							
10·48	29·881	30·036	67·9	56·9	·319	47	Calm	0	2	Ci.	NW to SE		All sky blue, except to NW., where whitish thin clouds were seen.
11·3	·887	·042	69·6	58·1	·333	46	Calm	0·2	2	Ci.	NW to SE		
11·18	·891	·045	70·6	58·1	·319	43	S	0·2	3	Ci.	NW to SE		Clouds increased towards north and west. Colour of sky changed from blue to reddish in the north and fog disappeared.
11·33	·891	·045	71·1	58·1	·313	42	S	0·8	4	Ci.	NW to SE		Clouds increasing in amount and getting thicker. Colour changed from white to reddish in the north.
11·48	·891	·045	71·6	58·1	·306	40	S	2·0	4	Ci.-S	NW to SE		Clouds getting thicker and changing from cirrus to cirro-stratus.
P.M. 0·3	·881	·034	73·6	59·0	·307	38	SW	1·6	6	Ci.-S	NW to SE	1	Cirro-stratus clouds increasing in amount from NW. Reddish colour of the sky and clouds disappeared from NW.; eclipse commenced from SW.
0·18	·867	·020	73·7	59·3	·315	38	S	1·0	6	Ci.-Cu.	NW to SE	2	Clouds changed from cirro-stratus to cirro-cumulus.
0·33	·861	·014	73·9	59·9	·331	40	Calm	0·6	7	A.-Cu.	WNW to ESE	3	Clouds increasing and changing from cirro-cumulus to alto-cumulus and getting darkish at WNW.
0·48	·861	·013	74·6	58·1	·266	31	WSW	1·6	9	A.-S	WNW to ESE		The clouds increasing and getting thicker and changing from alto-cumulus to alto-stratus and now occupied almost all the sky. Slight cold breeze from WSW. house cannot be seen owing to the sun being covered with clouds.
1·3	·861	·014	73·2	58·1	·285	35	W	0·6	9	A. S	NW to SE		
1·18	·853	·006	72·7	58·1	·292	37	W	0·6	9	S.-Cu.	NW to SE		Clouds changed to strato-cumulus; eclipse still invisible.
1·33	·841	29·994	72·5	58·1	·300	37	Calm	0·4	9	Ci.-S.	NW to SE	7	Clouds became thinner and sun appeared.
1·48	·841	·994	72·7	58·3	·297	37	Calm	0·4	9	Ci.-S.	NW to SE	6	Ditto Ditto.
2·3	·831	·984	73·2	58·4	·294	36	W	0·4	8	Ci.-S.	NW to SE	5	Do. and the sky changed in colour from dark to darkish brown.
2·18	·831	·984	73·7	58·4	·287	34	W	0·6	8	Ci.-S.	NW to SE	4	Clouds as before and the sun invisible.
2·33	·831	·984	73·7	58·4	·287	34	W	1·2	8	Ci.-S.	NW to SE	3	
2·48	·831	·984	73·7	59·0	·305	37	W	1·6	9	Ci.-Cu	NW to SE		Clouds became again thick and changed from cirro stratus to cirro-cumulus; sun invisible.
3·3	·813	·966	72·7	59·1	·322	41	N	2·6	9	S.-Cu.	NW to SE		Almost all the sky was covered with strato-cumulus.
3·18	·813	·966	72·1	59·1	·330	42	N	1·8	9	N	NW to SE		Drizzling rain; clouds changed from strato-cumulus to nimbus.
3·33	·813	·967	71·7	59·1	·336	43	Calm	0·4	9	N	NW to SE		No rain; other conditions the same, sun invisible.
3·48	·813	·967	71·6	58·0	·303	40	N	1·6	9	N	WNW to ESE		
4·3	·813	·967	71·4	58·1	·308	41	N	2·6	9	N	WNW to ESE		
4·18	·805	·959	71·4	58·1	·309	41	N	3·2	9	N	WNW to ESE		Drizzling rain; sun visible through strato-cumulus.
4·33	·805	·959	70·6	58·6	·334	45	Calm	0·6	9	S.-Cu.	WNW to ESE		Strato-cumulus; sun invisible.
4·48	·805	·959	70·6	59·1	·350	46	Calm	0·4	10	N	WNW to ESE		Whole sky covered by nimbus; sun invisible; few drops of rain fell.

No. 139. Lat. 32° 21′ N. KHUSHAB. Long . 0′ E.

Eight hundred and twenty miles from central line of totality. Greatest obscuration 6.

Hour. Madras time.	Barometer. Corrected and reduced to 32° F.	Barometer. Reduced to sea-level and constant gravity.	Dry bulb corrected.	Wet bulb corrected.	Aqueous vapour pressure.	Relative humidity.	Wind. Direction.	Wind. Amount since preceding interval, in miles per hour.	Cloud. Proportion.	Cloud. Kind.	Cloud. Direction of motion.	Proportion of eclipse, totality 10.	Weather and other remarks.
A.M.	°	°	°	°	°	%							
10·0	29·450	30·068	60·9	49·7	·210	39	WSW	...	5	Ci. S., Ci. Cu.	...		Sun in clear sky.
10·15	·457	·073	62·1	50·1	·204	36	Calm	2·0	4	Ci. S., Ci. Cu.	W to E		Sunshine dim. Thin clouds passing before the sun. Sky clear in the centre. More clouds in E and S. Amount of clouds decreasing.
10·30	·447	·060	63·9	51·9	·231	39	Calm	...	4	Ci. S., Ci. Cu.	...		Weather ditto, clouds stationary.
10·45	·458	·070	65·3	52·1	·218	34	Calm	...	4	Ci., S.	...		Ditto Ditto.
11·0	·453	·064	65·9	52·9	·232	36	Calm	...	5	Ci., S.	W to E		Ditto. Amount of cloud increasing.
11·15	·445	·055	66·7	52·9	·221	33	SSW	1·1	7	Ci. S., Ci. Cu.	S to N		Ditto. Clouds increasing.
11·30	·443	·051	68·1	54·0	·232	34	SW	4·8	8	Ci. S., Ci. Cu.	...		Ditto. Sky almost all covered with small scattered clouds.
11·45	·423	·027	69·8	54·4	·219	30	SSE	2·8	9	Ci. S., Ci. Cu., A., Cu.	...		*Sunshine getting more dim. Alto-cumulus clouds in the centre of the sky. Cirro-stratus towards the horizon in the NE.*
12·0	·433	·036	71·0	53·7	·186	24	SSE	4·4	8	Ci. S., Ci. Cu., A., Cu.	...		
P.M. 0·5	·430	·032	71·8	53·8	·177	23	...	...	8	Ci. S., Ci. Cu., A., Cu.	...	0·5	Sunshine and clouds as above.
0·10	·424	·024	72·6	54·8	·195	24	...	...	9	Ci. S., Ci. Cu., A., Cu.	...	1	Ditto. Sky in the centre and west getting clear.
0·15	·426	·026	72·6	55·0	·201	25	SSW	5·6	9	Ci. S., Ci. Cu., A., Cu.	SW to NE	1	Thin clouds passing before the sun. Alto-cumulus moving towards NE.
0·20	·425	·027	72·0	54·8	·204	26	...	...	8	Ci. S., Ci. Cu., A. Cu.	SW to NE	1	Ditto ditto.
0·25	·417	·018	72·3	54·8	·199	25	...	...	9	Ci. S., Ci. Cu., A. Cu.	...	1	Sun in clear sky; alto-cumulus totally disappeared in NE.
0·30	·414	·015	72·2	54·8	·199	25	SSE	6·4	9	Ci. S., Ci. Cu., A. Cu.	...	2	Western sky getting cloudy. Sunshine turning yellowish.
0·35	·416	·016	72·8	54·6	·187	23	...	...	9	Ci. S., Ci. Cu., N.	...	2	Clouds towards the horizon between N and W looking like nimbus.
0·40	·407	·006	73·0	55·0	·195	24	...	...	8	Ci. S., Ci. Cu., N.	W to E	3	Sunshine yellowish; thin clouds passing rapidly from W. to E.
0·45	·397	29·997	72·8	54·8	·192	24	SSE	4·0	9	Ci. S., Ci. Cu., N.	W to E	3	Ditto ditto.
0·50	·397	·996	73·0	55·0	·195	24	...	...	9	Ci. S., N., A. Cu.	W to E	3	Sunshine very dim. Thick clouds before and alto cumulus round the sun. Yellowish clouds to SE. of sun.
0·55	·397	·997	72·8	55·3	·207	26	...	...	9	Ci.S., N., A.Cu.	W to E	3	
1·0	·395	·995	72·8	55·8	·221	28	SSE	2·4	9	Ci.S., N., A.Cu.	S & W to N & E	4	Sunshine still very dim. Alto-cumulus clouds moving towards N and E. Nimbus more near the horizon between N, and W.
1·5	·389	·988	73·0	55·8	·218	28	...	...	9	Ci.S., N., A. Cu.	S & W to N & E	4	
1·10	·389	·989	72·8	55·8	·221	28	...	...	8	Ci.S., N., A.Cu.	S & W to N & E	4	
1·15	·385	·984	73·0	55·3	·205	25	ESE	2·0	9	Ci.S., N., A.Cu.	...	5	Alto-cumulus disappearing. Halo of greenish yellow colour round the sun distinct on NW; bluish lines between the yellow and green.
1·20	·387	·986	73·2	55·8	·215	26	...	...	9	N., A. Cu.	...	5	
1·25	·385	·984	73·2	55·8	·215	26	...	...	9	Ci. S., Ci. Cu.	W to E	5	Clouds getting less dense.
1·30	·385	·984	73·4	56·0	·218	26	Calm	1·6	9	Ci. S., Ci. Cu., A. Cu.	...	6	Ditto sunshine dim, greater portion of sun being obscured.
1·35	·385	·983	73·6	56·6	·234	29	...	...	9	Ci. S., N. Cu., S. Cu.	W & N to E & S	5	Sunshine more dim. Some clouds moving from W., others from N. Halo still incomplete.
1·40	·381	·979	73·8	56·3	·223	27	...	...	8	Ci. S., N., Cu., S. Cu.	...	5	Ditto ditto.
1·45	·383	·982	73·3	56·0	·220	27	Calm	0·8	9	Ci. S., N. Cu., S. Cu.	...	5	Ditto.
1·50	·379	·978	73·3	55·3	·200	25	...	...	9	Ci. S., N., Cu., S. Cu.	...	4	Ditto. Yellow colour of halo getting deeper.
1·55	·383	·981	73·6	56·0	·217	26	...	...	9	Ci. S., S. Cu.	...	4	Ditto. Bluish green colour inside the yellow colour increasing; yellow colour getting moon light.
2·0	·381	·979	73·6	56·8	·240	29	Calm	1·2	8	Ci. S., S. Cu.	...	4	Sunshine dim; halo incomplete still, bluish green colour inside the yellow increased. Thick clouds to S. and E. of the sun.
2·5	·377	·975	73·8	56·4	·224	27	...	...	9	Ci. S., S. Cu.	...	3	Halo complete, but the circle of the halo to the S and E indistinct—like yellow colour fading.
2·10	·375	·973	73·8	56·6	·232	29	...	...	9	Ci. S., S. Cu.	...	3	
2·15	·380	·978	74·0	56·8	·236	28	ESE	1·6	9	Ci. S., S. Cu.	...	2	Cloud round the sun getting less dense; yellow colour nearly disappeared. Halo partly visible.
2·20	·382	·979	74·6	56·8	·227	26	...	...	9	Ci. S., S. Cu.	...	2	Ditto. Halo looking like circular, white colour cloud.
2·25	·376	·973	74·8	56·8	·225	26	...	...	9	Ci. S. S. Cu.	...	1	Ditto ditto.
2·30	·368	·964	74·8	57·0	·230	26	ESE	1·6	9	Ci. S., S. Cu.	...	1	Ditto ditto.
2·35	·372	·968	74·8	57·0	·230	26	...	...	9	Ci. S., S. Cu.	...	1	Ditto ditto.
2·40	·380	·977	74·6	56·6	·221	26	...	...	9	Ci. S., S. Cu.	...	1	White-coloured circular cloud round the sun losing circular form.
2·55	·362	·958	74·8	56·8	·225	26	ESE	2·6	9	Ci. S., S. Cu.	W to E	...	Ditto. Sunshine very dim. Thick clouds before the sun moving from W. Eclipse ended.
3·10	·372	·968	74·6	56·0	·204	24	ESE	4·0	9	Ci. S., S. Cu.	...		Half-white circle visible. Ditto.
3·25	·372	·968	74·8	56·0	·201	23	ESE	3·2	9	Ci. S., S. Cu.	...		Circle disappearing Ditto.
3·40	·365	·961	74·8	55·8	·196	23	ESE	3·6	9	Ci. S., S. Cu.	...		Ditto Ditto.
3·55	·371	·968	74·0	55·6	·199	24	ESE	4·4	9	Ci. S., S. Cu.	...		Circle disappeard altogether. Ditto.

No. 140. Lat. 18° 57′. TOUNGOO. Long 96° 24′ E.

Eight hundred and forty-two miles from central line of totality Greatest obscuration 7

Hour. Madras time.	Barometer: Corrected and reduced to 32° F	Barometer: Reduced to sea-level and constant gravity.	Dry bulb corrected	Wet bulb corrected.	Aqueous vapour pressure	Relative humidity.	Wind: Direction	Wind: Amount since preceding interval, in miles per hour	Cloud proportion	Weather and other remarks
A M	"	"	°	°	"	%				
8 55	29 868	29 997	75·1	67 8	·583	67	E		Nil	
9 10	867	995	77·0	69·3	·614	66	E	20	"	
9·25	857	·985	78 5	69 8	·613	62	ESE	36	"	
9 40	858	·985	80 0	70·8	·631	61.	ESE	28	"	
9 55	853	980	80·0	70 3	·612	59	ESE	20	"	
10·7	850	·977	81 0	71 3	·637	59	ESE	15	"	There was an almost complete absence of cloud The temperature readings were higher by a few degrees than on the day preceding the eclipse
10 12	848	975	81 5	71·7	646	60	SSE	12	"	
10 17	845	971	82 0	71 3	623	57	SSE	12	"	
10·22	845	971	82 0	71 7	640	59	SSE	12	"	
10 27	836	962	82 5	71 7	633	57	S	24	"	
10 32	836	·962	83 0	72 2	646	57	S	12	"	
10·37	831	·957	83 0	71 7	626	56	SW	24	"	
10·42	831	·957	83 0	71 7	626	56	WSW	24	"	The amount of wind was only 17 miles during the six hours of observation
10·47	825	951	83 5	71 7	619	54	W	12	"	
10 52	821	947	84 0	171 7	613	53	NNW	24	"	
10 57	820	946	83 5	70 3	565	49	NW	60	"	
11·2	817	943	84 0	69 8	539	47	N	72	"	
11 7	811	937	84 0	69 8	539	47	NNW	48	"	
11 12	810	936	84 5	70 8	571	49	NNE	48	"	
11·17	810	935	85 0	70 8	564	47	NNE	36	"	
11 22	806	·931	85 0	70 8	564	47	WNW	60	"	
11 27	805	910	85 0	71 3	584	48	NW	36	"	
11·32	803	928	85 0	71 3	584	48	NW	48	"	
11 37	797	922	85·0	71 3	584	48	NW	24	"	
11 42	797	·922	85 9	71 7	587	48	W	48	"	
11·47	795	·920	85·9	71 7	587	48	WNW	48	"	
11 52	789	914	85 9	71 7	587	48	SW	24	"	
11 57	785	910	86 4	72·2	601	48	WSW	36	"	
P M										
0·2	783	·908	86·4	72 7	620	50	WSW	24	"	
0 7	780	·905	86 9	72 7	·613	49	WNW	24	"	
0 12	778	·903	86 9	72 7	613	49	WNW	48	"	
0·17	776	901	86 9	72 7	613	49	NW	36	"	
0·22	774	899	86 9	72·7	613	49	NW	36	"	
0 27	771	896	86 9	72 7	613	49	NW	36	"	
0·32	771	896	86·9	72 7	613	49	NW	36	"	
0 37	765	890	87 4	72 7	608	47	NW	36	"	
0 42	765	890	87 4	72 7	608	47	NW	48	"	
0·47	763	888	87 4	72 7	608	47	NW	36	"	
0·52	761	886	87 4	73 7	618	50	NW	24	"	
0·57	759	884	87 4	73 2	627	49	NW	36	"	
1·2	759	884	87 4	73 7	648	50	NW	36	"	Eclipse visible at 0·43½ P M and ended at 3·2 P.M greatest obscuration about seven-tenths.
1·7	757	882	86 9	73 2	634	50	NW	48	"	
1 12	757	882	86·9	72 7	613	49	NW	48	"	
1 17	757	882	86 9	73 2	634	50	NW	36	"	
1·22	751	876	86 9	73 2	634	50	NW	24	"	
1 27	750	875	86 9	73·2	634	50	NW	12	"	
1·32	750	875	86·4	73 2	641	50	NW	36	"	
1·37	750	875	85 9	73 7	668	55	NW	24	"	
1 42	750	875	85 9	73 7	668	55	NW	24	"	
1 47	748	872	85 5	73 7	674	55	NW	36	"	
1 52	745	869	85 0	73 7	681	57	NW	12	"	
1 57	·743	867	85·0	73·7	681	57	NW	24	"	
2·2	743	867	85·0	73 7	681	57	NW	12	"	
2 7	741	866	84 0	73 2	673	58	NW	12	"	
2 12	739	864	84 0	73 2	673	58	NW	12	"	
2 17	739	864	84 0	73·2	673	58	NW	12	"	
2 22	737	·862	84 0	73·2	673	58	NW	0	"	
2·27	736	861	84 0	72 7	653	56	NW	0	"	
2 32	736	861	84 0	72 7	653	56	NW	12	"	
2·37	728	853	84 0	72 7	653	56	NW	12	"	
2 42	728	853	83·5	72 7	·660	58	NW	12	"	
2 47	732	857	83·0	72·2	646	58	NW	24	"	
2 52	732	857	83 0	72 2	·646	58	NW	36	"	
2 57	732	857	83·0	71 7	626	56	NW	36	"	
3·2	730	855	83 0	71 7	626	56	NW	12	"	

No. 141. Lat. 33° 54′ W. MURREE. Long. 73° 27′ E.

Eight hundred and forty-nine miles from central line of totality. Greatest obscuration, 6.

Hour.	Barometer.					Wind.		Cloud.			Weather and other remarks.
Madras time.	Corrected and reduced to 32° F.	Dry bulb corrected.	Wet bulb corrected.	Aqueous vapour. pressure.	Relative humidity.	Direction.	Amount since preceding interval, in miles per hour.	Proportion.	Kind.	Direction of motion.	
A.M.	"	°	°	"	%						
10·42	23·935	52·8	41·1	·138	34	SSE	...	9	A. Cu.	...	Dark gloomy weather.
10·57	·937	52·7	41·0	·137	34	SSE	13·6	9	Cu.	...	Ditto.
11·12	·939	52·6	41·0	·138	35	SSE	7·8	8	Cu.	...	Ditto.
11·27	·933	51·8	40·6	·138	36	SSE	16·0	10	S. Cu.	...	Overcast.
11·42	·927	50·8	40·9	·155	41	SSE	8·8	10	S. Cu.	...	Ditto.
11·57	·925	49·7	40·4	·156	43	SSE	17·2	10	S. Cu.	...	Ditto.
P.M.											
0·27	·919	49·3	40·0	·152	43	SSE	7·6	9	S. Cu.	NW to SE	Dark gloomy weather.
0·42	·911	46·3	39·6	·180	56	SSE	12·0	10	S. Cu.	...	Overcas.
0·57	·905	45·5	39·0	·172	56	SE	12·8	10	S. Cu.	...	Drizzling.
1·12	·901	49·5	39·0	·131	37	S	18·4	9	S. Cu.	...	Unusually dark.
1·27	·901	49·6	39·0	·130	37	Calm.	4·4	9	S. Cu.	...	Ditto.
1·42	·893	49·8	40·0	·147	41	SE	14·0	9	S. Cu.	...	Ditto.
1·57	·891	49·3	39·9	·150	42	Calm.	6·0	10	S. Cu.	...	Overcast.
2·12	·889	48·8	39·7	·151	44	Calm.	3·2	8	S. Cu.	...	Dark weather.
2·27	·887	48·8	39·6	·149	43	Calm.	4·8	8	S. Cu.	...	Ditto.
2·57	·891	49·6	39·9	·147	41	Calm.	2·2	9	S. Cu.	...	Dark gloomy weather tinged with yellow.
3·12	·891	49·7	40·1	·150	42	SE	7·6	9	S. Cu.	...	Ditto ditto.
3·27	·893	49·7	40·4	·156	43	SE	10·0	9	S. Cu.	...	Ditto ditto.
3·42	·895	49·4	41·0	·171	48	SSE	5·6	9	S. Cu.	NE to SW	Dark gloomy weather.
3·57	·899	48·6	40·4	·168	48	SE	12·4	10	S. Cu.	E to W	Overcast.
4·12	·907	48·0	40·9	·184	55	Calm.	1·2	10	S. Cu.	SE to N W	Ditto.
4·27	·917	47·8	41·0	·188	56	Calm.	2·0	10	S. Cu.	SE to NW	Ditto.

No. 142 Lat. 33° 38' N. RAWALPINDI. Long. 73° 5' E.

Eight hundred and fifty-two miles from central line of totality. Greatest obscuration 6.

Hour. Madras time.	Barometer. Corrected and reduced to 32° F.	Barometer. Reduced to sea-level and constant gravity.	Dry bulb corrected.	Wet bulb corrected.	Aqueous vapour pressure.	Relative humidity.	Wind. Direction.	Wind. Amount since preceding interval, in miles per hour.	Cloud. Proportion.	Cloud. Kind.	Cloud. Direction of motion.	Proportion of eclipse, totality 10.	Weather and other remarks.
A.M.	"	"	°	°	"	%							
8·0	28·320	30·063	45·1	42·1	·232	77	Calm	...	9	Cu. N.	...		Sun obscured by clouds; sky dark.
10·0	·331	·044	53·8	48·0	·265	46	Calm	0	9	S. Cu.	...		Ditto ditto. Fog.
10·15	·336	·044	55·1	48·4	·258	59	Calm	0	9	N. & Fr. N.	...		Ditto Sky dark with blue patches
10·30	·336	·041	56·1	48·7	·253	56	Calm	0	9	N. & Cu. N.	...		Ditto Sky dark, fog slight.
10·45	·346	·048	57·0	48·5	·237	51	Calm	0	9	N. & Cu. N.	...		Ditto Sky grey with blue patches
11·0	·348	·048	57·8	49·0	·238	50	Calm	0	9	N. & Cu. N.	...		Sun shining Ditto.
11·15	·353	·045	60·0	49·8	·234	45	Calm	0	9	N. & Cu. N.	...		Sun obscured Ditto.
11·30	·349	·041	60·1	49·5	·225	44	W	1·6	9	N. & Cu. N.	...		Ditto Sky dark with blue patches
11·45	·333	·019	62·5	50·9	·232	41	W	14·8	8	N. & Cu. N.	E to W		Sun shining. Sky dark with blue patches.
12·0	·333	·016	62·0	50·5	·227	41	NNW	23·6	9	N. & S. Cu.	S to N		Sun obscured. Sky dark with blue patches.
P.M.													
0·15	·326	·002	64·0	51·0	·215	36	NNW	8·0	9	N.	E to W		Sun obscured. Sky dark with blue patches.
0·30	·316	29·993	63·5	50·9	·219	37	NNW	11·2	9	N. & Fr. N.	E to W		Ditto ditto.
0·45	·322	·998	64·1	53·1	·270	45	Calm	0	9	Fr. N. & S. Cu	E to W	3	Partial eclipse. N. Dark grey and blue patches.
1·0	·318	·993	63·6	52·0	·246	42	Calm	0	9	Fr. N. & S. Cu.	E to W		Sun obscured by cloud. Dark grey and blue patches.
1·15	·308	·988	63·0	51·5	·241	42	Calm	0	9	Fr. N. & S. Cu	S to N	6	Partial eclipse. Dark grey and blue patches. 1·01 P.M. a flickering light over sun, pink at first, gradually grew brighter for 3 minutes and extended in a NNW downward direction fading away; again seen at 1·09 P.M., but not so marked as before.
1·30	·306	29·985	62·5	51·5	·247	44	Calm	0	9	Fr. N. & S. Cu	...		Sun obscured; clouds stationary and dark.
1·45	·294	·975	62·0	51·5	·253	46	Calm	0	9	Fr. N.	E to W	4	Partial eclipse in N N W of sun's disc; clouds dark and grey.
2·0	·296	·975	62·5	52·3	·268	47	Calm	0	9	Fr. N. & S. Cu.	W to E	3	Partial eclipse in N N E. N. of disc; few drops of rain; clouds dark and grey with blue patches.
2·15	·286	·962	63·5	52·1	·249	42	Calm	0	7	S. Cu. & Cu.	...		Do. Sky light grey with dark and blue patches.
2·30	·284	·959	63·8	51·2	·221	37	Calm	0	9	Fr. N. & Cu.	SW to NE		Sun obscured by cloud. Sky light grey with dark and blue patches.
2·45	·278	·950	64·5	51·3	·217	35	N	20·8	9	Fr. N. & Cu.	S to N		Sun obscured by cloud. Sky light grey with dark and blue patches. At 2·55 P.M. the sun was out of eclipse.
3·0	·282	·956	64·0	51·1	·217	36	N	12·8	9	Fr. N. & Cu.	S to N		Ditto ditto.
3·15	·282	·956	64·0	51·2	·221	36	N	16·8	9	Fr. N. & Cu.	SE to NW		Sun obscured by cloud. Sky light grey with dark and blue patches.
3·30	·284	·959	63·5	50·8	·216	37	N	10·4	9	Fr. N. & Cu.	SE to NW		Ditto ditto.
4·45	·286	·963	63·0	50·7	·220	38	Calm	0	10	N.	...		Do. Few drops of rain; clouds dark.
4·0	·294	·975	62·1	52·0	·265	48	Calm	0	10	N.	...		Ditto ditto.

No. 143. Lat. 32° 0′ N. DERA ISMAIL KHAN. Long. 71° 5′ E.

Eight hundred and fifty-five miles from central line of totality. Greatest obscuration 6.

Hour.	Barometer.						Wind			Cloud.			
Madras time.	Corrected and reduced to 32° F.	Reduced to sea-level and constant gravity.	Dry bulb corrected.	Wet bulb corrected.	Aqueous vapour pressure.	Relative humidity	Direction.	Amount since preceding interval, in miles per hour.	Proportion.	Kind.	Direction of motion.	Proportion of eclipse, totality 10.	Weather and other remarks.
A.M.	"	"	°	°	°	%							
10·0	29·489	30·095	56·2	52·0	·334	74	W	...	4	A. Cu.	W to E		Clouds over the sun's disc.
10·15	·489	·093	57·2	52·0	·321	68	Calm	0	4	A. Cu.	W to E		Ditto.
10·30	·489	·093	57·2	52·9	·333	73	Calm	0	6	Ci. S.	W to ENE		Sky clear in N. Clouds less dense.
10·45	·489	·091	58·5	53·5	·346	70	NW	0·4	7	Ci. S.	W to ENE		Ditto ditto.
11·0	·482	·080	61·9	54·2	·319	57	NNE	1·2	7	Ci. S.	SW to NE		Clouds still less dense.
11·15	·328	·022	63·0	55·0	·328	57	Calm	0	7	Ci. S.	SW to NE		
11·30	·424	·017	64·7	55·9	·331	54	Calm	0	7	Ci. S.	SW to NE		Do. getting attenuated.
11·45	·417	·007	66·7	57·5	·353	54	SSE	1·6	7	Ci. S.	SW to NE		
12·0	·414	·004	66·9	57·2	·340	51	SE	1·6	7	Ci. S.	SW to NE		
P.M.													
0·5	·454	·044	67·8	58·9	·381	56	SE	4·8	7	Ci. S.	SW to NE		Clouds getting very attenuated.
0·10	·456	·045	67·9	58·0	·352	51	SE	1·2	7	Ci. S.	SW to NE		
0·15	·456	·044	68·4	58·6	·364	53	Calm	0	7	Ci. S.	SW to NE		11·55 P.M., 0·2 ,, 0·4 ,, } five sun spots visible.
0·20	·456	·044	68·7	58·8	·366	52	SE	1·2	7	Ci. S.	SW to NE		
0·25	·454	·042	68·9	58·9	·366	52	SSW	3·6	7	Ci. S.	SW to NE		
0·30	·452	·040	68·9	58·8	·364	52	ESE	2·4	7	Ci. S.	SW to NE		
0·35	·452	·039	69·7	59·0	·358	49	SE	0·2	7	Ci. S.	SW to NE	4 at 0·40 P.M.	
0·40	·446	·032	69·8	59·2	·363	49	S	4·8	7	Ci. S.	SW to NE		Gloom setting in.
0·45	·444	·030	69·8	59·0	·357	48	ESE	2·4	7	Ci. S.	SW to NE		Ditto.
0·50	·442	·028	69·8	59·2	·363	49	S	1·2	7	Ci. S.	SW to NE		Ditto.
0·55	·439	·026	69·4	58·9	·359	49	Calm	0	7	Ci. S.	SW to NE		Ditto.
1·0	·435	·022	68·8	59·5	·386	55	SSE	2·4	7	Ci. S.	SW to NE		Ditto.
1·5	·435	·022	69·4	59·2	·368	51	SE	1·2	7	Ci. S.	SW to NE		Ditto.
1·10	·433	·020	69·7	59·0	·358	49	Calm	0	7	Ci. S.	SW to NE		Ditto.
1·15	·429	·016	68·7	59·0	·372	53	Calm	0	7	Ci. S.	SW to NE	6	Ditto.
1·20	·429	·017	67·9	58·9	·379	56	SE	1·2	7	Ci. S.	SW to NE	at 1·19 P.M.	Dull—Pulling gloom.
1·25	·427	·015	67·8	59·9	·412	60	Calm	0	7	Ci. S.	SW to NE		Ditto. 1·19 P.M. 1·57 ,, Three sunspots visible, two obscured by eclipse.
1·30	·427	·017	67·4	59·2	395	59	Calm	0	7	Ci. S.	SW to NE		Ditto.
1·35	·425	·014	67·8	59·5	·400	59	Calm	0	7	Ci. S.	SW to NE		Ditto.
1·40	·425	·014	67·8	59·5	·400	59	SE	1·2	7	Ci. S.	SW to NE		Ditto.
1·45	·422	·009	68·3	58·5	·362	53	SE	1·2	7	Ci. S.	SW to NE		Ditto.
1·50	·420	·007	68·8	60·0	·402	57	Calm	0	7	Ci. S.	SW to NE		Ditto.
1·55	·418	·005	68·9	59·0	·369	52	SE	1·2	7	Ci. S.	SW to NE	4 at 1·57 P.M.	Ditto.
2·0	·415	·002	69·4	59·9	·391	54	SE	0	7	Ci. S.	SW to NE		Gloom lifting off.
2·5	·413	29·999	69·7	59·8	·383	53	E	1·2	7	Ci. S.	SW to NE		Ditto.
2·10	·411	·997	69·9	60·0	·387	53	SE	1·2	7	Ci. S.	SW to NE		Ditto.
2·15	·407	·993	69·9	60·3	·397	54	Calm	0	7	Ci. S.	SW to NE		Ditto.
2·20	·403	·989	70·1	60·0	·387	53	Calm	0	7	Ci. S.	SW to NE		Ditto.
2·25	·401	·986	70·7	60·0	·377	50	SE	1·2	7	Ci. S.	SW to NE		Ditto.
2·30	·399	·984	70·9	60·3	·384	51	SE	2·4	7	Ci. S.	SW to NE		Ditto.
2·35	·401	·986	71·3	60·3	·378	49	SE	2·4	7	Ci. S.	SW to NE		Ditto. 2·35 P.M. five sun spots visible
2·40	·403	·988	71·1	60·1	·375	49	SE	1·2	7	Ci. S.	SW to NE		Ditto.
2·45	·405	·990	71·7	60·2	·370	47	SE	1·2	8	Ci. S.	SW to NE		2·42 P.M. clear disc, five spots visible.
3·0	·405	·990	71·4	60·0	·367	47	SE	0·8	8	Ci. S.	SW to NE		
3·15	·404	·989	71·1	58·9	·337	44	S	1·6	8	Ci. S.	SW to NE		
3·30	·404	·938	71·8	59·9	·358	46	S	0·4	8	Ci. S.	SW to NE		
3·45	·404	·988	71·9	60·2	·367	47	SE	3·2	8	Ci. S.	SW to NE		
4·0	·404	·989	70·9	60·2	·380	50	SSE	0·4	8	Ci. S.	SW to NE		

No 144 Lat 16° 47′ N BASSEIN Long 94° 50 E

Eight hundred and ninety-eight miles from central line of totality Greatest obscuration 4

Hour Madras time	Barometer Corrected and reduced to 32° F	Reduced to sea level and constant gravity	Dry bulb corrected	Wet bulb corrected	Aqueous vapour pressure	Relative humidity	Wind Direction	Cloud Proportion	Kind	Direction of motion	Proportion of eclipse, total=10	Weather and other remarks
A M	"	"	°	°	"	%						
9 2	30·045	30·008	79 4	70 0	616	60	ESE	2	Ci S			Fine weather with passing clouds
9-17	044	·007	79·9	70 3	614	60	NNE	2	Ci S			Ditto ditto.
9 32	038	000	81 0	69 7	576	55	NE	1	Ci. S			Ditto ditto.
9·47	033	29 995	82 2	70·4	586	53	ENE	*Nil.*				Fine clear weather
10·2	·025	987	84 0	70 1	550	47	NE	"				Ditto
10-17	021	983	84 3	70·0	543	46	NNW	"				Ditto
10-32	014	976	85 0	70 8	564	46	N	"				Ditto.
10 47	006	·968	84·9	70 4	550	45	N	"				Ditto.
11·2	29 997	·959	85·8	70 5	542	44	N	"				Ditto
11 17	·985	947	86 3	71 5	574	46	NNE	"		—		Ditto
11 32	·981	943	85·9	71 4	575	46	NW	"				Ditto.
11 47	·971	933	86 8	71·7	579	45	NNE	1	Ci			Fine weather with passing clouds.
P M												
0·2	·959	921	86 7	71 5	568	45	N	*Nil*				Fine clear weather
0 17	949	911	87 5	71 7	565	43	NNE	"		"		Ditto
0·32	940	902	87 7	71 7	563	43	NW	"				Ditto
0·47	936	898	88 6	72 0	563	42	NNE	1	Ci			Fine weather with passing clouds.
0 57											1	Ditto ditto
1·2	932	894	87·9	71 7	560	43	NNW	1	Ci		1	Ditto ditto
1·7	932	894	87·7	71 4	551	41	NW	1	Ci		1	Ditto ditto
1 12	930	892	87 9	71 4	548	41	NNW	1	Ci	NW to SE	2	Ditto ditto
1 17	·926	888	87 5	71 7	565	43	N	1	Ci	NW to SE	2	Ditto ditto
1 22	924	886	87 5	71 0	538	41	NW	1	Ci	NW to SE	3	Ditto ditto.
1·27	·919	881	87·7	71 7	563	43	NNE	1	Ci	NW to SE	3	Ditto ditto.
1 32	919	881	86 9	71 5	565	44	NW	1	Ci		3	Ditto ditto.
1 37	917	879	86 7	71 7	576	45	NE	1	Ci		4	Ditto ditto
1 42	917	879	86 9	71 7	573	45	NW	1	Ci		4	Ditto ditto
1 47	915	877	86 7	71 7	576	45	NNE	1	Ci	NW to SE	4	Ditto ditto.
1 52	913	875	86 7	71 7	576	45	NNW	1	Ci S		4	Ditto ditto
1 57	913	875	85·9	71 2	567	46	NNW	1	Ci S.		4	Ditto ditto
2·2	·912	874	85 3	71 9	589	47	NNE	1	Ci S.		4	Ditto ditto
2 7	912	874	85·9	71 5	579	47	NNE	1	Ci S		3	Ditto ditto.
2·12	910	872	85 9	71 0	559	45	NW	1	Ci S	W to E	3	Ditto ditto
2 17	910	872	85 7	70·9	558	45	NW	1	Ci S	W to E	3	Ditto ditto.
2 22	910	872	85·7	71 1	567	46	NW	1	Ci S		3	Ditto ditto
2·27	910	872	85 7	71 1	567	46	NW	1	Ci S		2	Ditto ditto.
2·32	·908	870	85 9	71·0	559	45	NW	1	Ci S.	W to E	2	Ditto ditto.
2·37	908	870	86·2	70·9	551	44	NW	1	Ci S	W to E	2	Ditto ditto.
2 42	908	870	85 7	70·7	550	45	NW	1	Ci S		1	Ditto ditto
2 47	908	870	85 7	70·7	550	45	NNW	1	Ci S.		1	Ditto ditto.
2 52	910	872	85·5	70·7	553	45	NW	1	Ci S		1	Ditto ditto.
2 57	910	872	85·6	70 9	559	46	NW	1	Ci S		0·5	Ditto ditto
3·2	·910	87·	85 5	70·7	579	45	NW	1	Ci S			Ditto ditto

No. 145 Lat. 33° 46′ N. CHERAT. Long. 71° 58′ E.

Nine hundred miles from central line of totality. Greatest obscuration, 5.

Hour.	Barometer.	Dry bulb corrected.	Wet bulb corrected.	Aqueous vapour pressure.	Relative humidity.	Wind.		Cloud.		Weather and other remarks.
Madras times.	Corrected and reduced to 32° F.					Direction	Amount since preceding interval, in miles per hour.	Kind.	Direction of motion.	
A.M.	″	°	°	″	%					
10·0	25·809	53·1	40·5	·112	28	NNE	...	S. Cu.	N to S	Partially clouded.
10·15	·815	53·0	40·8	·118	30	N	19·2	S. Cu.	N to S	Cloudy; white-shining clouds in east horizon.
10·30	·821	53·2	40·9	·119	29	NNE	36·4	A. Cu.	N to S	Sky nearly overcast. Slight sunshine for a minute.
10·45	·827	53·5	41·1	·120	29	NNE	18·0	S. N.	NW to SE	Cloudy ditto ditto two minutes.
11·0	·819	53·8	41·1	·117	28	N	18·0	S., N. & A. Cu.	SW to NE	Ditto.
11·15	·821	54·8	42·3	·129	30	NNE	18·0	A. Cu.	N to S	Passing clouds. clouds in N. and E.
11·30	·821	54·7	42·0	·124	29	NNW	13·2	Ci. S., S. Cu.	NE to SW	Sun visible partially through clouds.
11·45	·817	54·3	41·6	·122	30	NW	18·0	A. Cu., S. Cu.	NE to SW	Nearly overcast sky. No sunshine.
12·0	·817	53·7	42·0	·135	33	N	16·0	S. Cu., N.	W to E	Cloudy and rainy for half a minute.
P.M. 0·15	·813	53·8	42·2	·138	34	N	12·8	N. & S. Cu.	NW to SE	Sky nearly overcast. Sun not visible.
0·30	·807	54·8	42·5	·142	35	NE	14·8	Ci. S., S., N.	SE to NW	Cloudy.
0·45	·807	53·8	42·3	·140	34	NNW	16·4	S. Cu., A. Cu.	SE to NW	Ditto ditto.
1·0	·803	53·0	41·5	·134	34	N	19·2	S. Cu., N.	SE to NW	Reddish S.-E. side of sky.
2·30	·786	53·0	42·0	·143	36	N	39·4	S. Cu. & Cu.	SW to NE	Cloudy. Sun not visible.
2·45	·777	53·1	42·0	·142	36	N	8·8	S. Cu., A. Cu.	SW to NE	Ditto ditto.
3·0	·775	53·5	42·4	·146	36	N	12·0	A. Cu.	W to E	Partly clouded. Sun full.
3·15	·771	53·7	42·9	·154	38	N	28·8	Ci. S. & A. Cu.	SW to NE	Ditto.
3·30	·775	53·9	42·8	·150	37	N	8·4	Ci. S. & A. Cu.	SW to NE	Ditto.
3·45	·779	54·2	43·0	·151	36	N	6·0	Ci. S., A. Cu.	SW to NE	Ditto.
4·0	·783	54·8	44·7	·182	43	NNW	2·4	Ci. S., A. Cu.	W to E	White partial clouds in W.

No 146 Lat. 35° 48′N GILGIT. Long 74° 25 E

Nine hundred and eleven miles from central line of totality Greatest obscuration 4

Hour Madras time	Barometer Corrected and reduced to 32° F	Dry bulb corrected	Wet bulb corrected	Aqueous vapour pressure	Relative humidity	Wind Direction	Wind Amount since preceding interval in miles per hour	Cloud Kind	Cloud Direction of motion	Weather and other Remarks
	"	°	°		%					
A M										
10-24	25·331	45·0	37 3	137	45	WSW		A S	E to W	Thin alto-stratus covering the sun
10-39	328	46 0	38 5	150	48	SSW	0 8	A S	E to W	
10-54	324	46·6	37 1	114	36	ENE	1 2	A S	E to W	
11-9	322	47 4	38 5	134	41	"	2 0	A Cu	S to N	
11 24	307	48 8	38 7	121	36	SSE	1 2	Cu	S to N	
11 39	·296	49 6	38 7	112	32	SE	0·8	Cu	S to N	
11 54	282	51 4	38·3	084	22	WSW	1 2	A S	S to N	Thin alto-stratus covering the sun
P M										
0-9	277	51 0	38·9	101	26		0	A S.	S to N	At 0-17 P M the eclipse began
0 24	259	51 0	38 9	101	26	ESE	1 6	A S	S to N	
0-29	256	51 0	39 3	109	28	"	3 6	A S	S to N	Clouds thickening
0 34	254	50 8	39·5	116	32	SE	2 4	A.S.	S to N	
0 44	248	50·8	39·5	116	32	ESE	0	S Cu	S to N	
0 54	238	50 4	39·5	120	33		0·6	S Cu	S to N	
1 4	·232	50·2	39 1	114	31	"	0	S Cu	S to N	Sun scarcely visible
1 14	232	50·2	39 3	118	32	"	0	S Cu	S to N	At 1-9 P M cloud thinner sun more visible.
1 24	224	50·0	38 9	112	31	"	0	S Cu	S to N	At 1-27 P M sun not visible
1 34	218	50·0	38 9	112	31	"	0	S Cu	S to N	
1 44	195	50·0	38 5	104	29	"	0	N	S to N	
1 54	187	49 8	38 7	110	31	"	0	N	S to N	Sun not visible.
2 4	189	49·8	38 9	114	32		0	N	S to N	
2 14		50 0	39 1	116	32		0	N	S to N	
2 24		50·6	38 9	105	28		0	N	S to N	
2 39		50·6	38 7	101	27	"	0	N	S to N	
2-54			38 7			"		N	S to N	
3-9			38·5				0	N	S to N	Clouds thinner; sun visible no eclipse
3 24	187	51·0	38 3	089	23	"	0	N	S to N	Sun again invisible
3 39		51 2	39·3	107	27	"	0	N	S to N	
3 54	175	50·8	39 7	119	33		0	N	S to N	
4-9	1,6	50 4	39·9	128	35	SE	0 1	N	S to N	
4-24	176	50 4	38 9	107	29	"	0	N	S to N	

No. 147. Lat. 15° 52′ N. DIAMOND ISLAND. Long. 94° 13′ E.

Nine hundred and twenty-eight miles from central line of totality. Greatest obscuration 4.

Hour.	Barometer.		Dry bulb corrected.	Wet bulb corrected.	Aqueous vapour pressure.	Relative humidity.	Wind.		Cloud proportion.	Weather and other remarks.
Madras time.	Corrected and reduced to F.	Reduced to sea-level and constant gravity.					Direction.	Amount since preceding interval, in miles, per hour.		
A.M.	"	"	°	°	"	%				
9·4	30·021	29·996	84·5	75·4	·759	63	NNE	...	*Nil*	Sea smooth, weather sultry.
9·19	·021	·996	84·5	75·7	·769	64	NE	8·0	"	
9·34	·016	·991	84·5	75·7	·769	64	NE	8·0	"	
9·49	·016	·991	84·6	75·6	·766	64	NE	9·2	"	
10·4	·014	·989	85·2	75·6	·758	62	NE	12·8	"	
10·19	·006	·981	85·9	75·6	·748	60	NE	8·0	"	
10·34	29·994	·969	86·0	75·2	·728	58	NE	10·0	"	
10·49	·986	·961	86·3	75·3	·729	58	NE	9·2	"	
11·4	·985	·960	86·7	76·0	·753	59	NE	12·4	"	
11·19	·977	·952	86·4	75·7	·744	59	NE	7·6	"	Ditto and light wind.
11·34	·954	·929	86·3	75·0	·716	57	ENE	10·0	"	
11·49	·957	·932	86·1	74·8	·709	57	ENE	6·0	"	
P.M.										
0·4	·950	·925	86·2	74·8	·706	57	ENE	6·4	"	
0·19	·948	·920	86·8	75·5	·730	57	NNE	4·8	"	
0·34	·937	·912	87·1	73·1	·626	49	WNW	6·4	"	
0·49	·930	·905	86·5	75·1	·718	57	WNW	8·4	"	
1·4	·922	·897	85·5	74·8	·719	58	WNW	7·6	"	
1·19	·917	·892	85·2	74·8	·722	59	WNW	10·0	"	Ditto ditto getting gloomy
1·34	·912	·887	84·1	74·0	·704	60	WNW	10·0	"	
1·49	·910	·885	83·9	73·7	·695	59	NNW	10·4	"	Ditto ditto.
2·4	·904	·879	83·3	73·9	·710	62	NNW	12·0	"	
2·19	·900	·875	83·4	73·7	·702	61	NNW	12·8	"	
2·34	·900	·875	84·3	74·9	·738	62	WNW	8·4	"	Ditto ditto.
2·49	·897	·872	84·3	74·4	·717	60	NNW	12·8	"	
3·4	·900	·875	84·3	74·4	·718	60	NNW	12·0	"	

No. 148. Lat. 34° 2' PESHAWAR. Long. 71°37' E

Nine hundred and thirty-five miles from central line of totality Greatest obscuration 5.

Hour	Barometer		Dry bulb corrected	Wet bulb corrected	Aqueous vapour pressure	Relative humidity	Wind		Cloud proportion	Proportion of eclipse, totality 10	Weather and other remarks
Madras time	Corrected and reduced to 32°F	Reduced to sea level and constant gravity					Direction	Amount since preceding interval, in miles per hour			
A M	"	"	°	°	"	%					
10·34	28·937	30·097	55·8	47·8	·235	53	S	0	9		There was no cloud up to 5·34 A.M. after that clouds came up from W and covered the whole sky up to 9·34 A.M. after which time they decreased in amount
10·49	·942	·096	58·3	48·9	·231	47	SSW	3·6	9		
11·4	·944	·094	59·8	50·2	·247	48	S	3·2	9		
11·19	·943	·091	60·8	50·7	·247	47	Calm	1·6	8		
11·34	·943	·089	61·8	50·7	·235	43	Calm	0·4	8		
11·49	·939	·080	63·8	51·7	·236	40	WSW	1·2	7		
P M											
0·4	·930	·066	65·6	51·7	·213	34	Calm	0·8	6		
0·19	·924	·056	67·7	53·7	·241	36	NNW	1·6	7		
0·34	·913	·040	69·3	52·7	·195	27	SSW	2·4	7	1	0·29 P M ecl pse commenced from S.
0·39	·910	·038	68·7	51·7	·176	25	Calm	2·4	7	2	
0·44	·908	·036	69·2	52·7	·196	28	Calm	1·2	7	3	
0·49	·904	·032	69·2	52·5	·192	27	SE	3·6	7	3	
0·54	·900	·026	70·2	53·7	·211	29	Calm	1·2	6	3	
0·59	·900	·027	69·7	53·7	·217	30	Calm	0	6	3	
1·4	·898	·024	70·2	53·9	·217	29	Calm	1·2	6	3	
1·9	·896	·022	69·9	52·7	·187	26	S	1·2	7	4	Colour of cloud near eclipse side of the sun was like gold.
1·14	·890	·017	69·7	53·2	·203	28	Calm	0	7		
1·19	·886	·016	67·9	52·9	·219	32	Calm	2·4	8	5	
1·24	·884	·014	67·7	52·7	·215	32	Calm	0	8	5	Eclipse turned to SE.
1·29	·884	·014	67·7	52·7	·215	32	Calm	1·2	8	5	Do. E
1·34	·882	·012	67·7	52·7	·215	32	Calm	0	8	5	Do. E
1·39	·876	·006	67·7	52·7	·215	32	SW	2·4	8	5	Do. E.
1·44	·874	·004	67·7	52·2	·201	29	NNE	2·4	9		Sun covered with thick cloud
1·49	·874	·004	67·7	52·7	·215	32	NE	1·2	9		Ditto.
1·54	·872	·002	67·7	52·7	·215	32	NE	2·4	9		Ditto.
1·59	·872	·002	67·7	52·7	·215	32	N	2·4	9	3	Eclipse decreasing
2·4	·870	·000	67·7	53·0	·223	33	WNW	1·2	8	3	Ditto.
2·9	·872	·002	67·7	52·7	·215	32	Calm	1·2	8	2	Ditto.
2·14	·872	·002	67·7	52·7	·215	32	NNW	1·2	8	2	Ditto
2·19	·868	29·998	67·7	53·2	·228	33	Calm	1·2	8	1	Ditto
2·24	·866	·994	68·7	53·7	·229	33	NE	1·2	8	1	Ditto.
2·29	·866	·995	68·2	53·2	·222	32	NNE	1·2	8	1	Ditto.
2·34	·864	·993	67·7	52·7	·215	32	Calm	1·2	9	1	
2·39	·862	·989	68·7	53·7	·229	33	Calm	13·2	8	1	
2·44	·862	·987	69·7	54·7	·244	34	Calm	2·4	7		The sun quite clear of eclipse.
2·59	·866	·993	68·9	53·9	·233	33	NNE	3·6	7		
3·14	·868	·994	69·7	56·2	·286	39	NE	2·4	7		
3·29	·870	·997	69·2	56·5	·302	43	Calm	2·4	7		
3·44	·874	30·002	68·7	57·7	·342	49	E	2·4	6		
3·59	·882	·010	68·7	56·9	·320	45	E	2·4	6		
4·14	·882	·013	66·9	55·5	·300	46	ENE	3·2	6		
4·34	·887	·026	63·8	54·2	·303	51	ENE	4·5	4		

No. 149. Lat. 30° 11′ N. QUETTA. Long. 67° 3′ E.

Nine hundred and thirty-nine miles from central line of totality. Greatest obscuration, 6.

Hour.	Barometer.					Wind			Cloud.			
Madras time.	Corrected and reduced to 32°F.	Dry bulb corrected.	Wet bulb corrected.	Aqueous vapour pressure.	Relative humidity.	Direction.	Amount since preceding interval, in miles per hour.	Proportion.	Kind.	Direction of motion.	Proportion of eclipse, totality 10.	Weather and other remarks.
A.M.	F	°	°	F	%							
10·53	24·704	49·6	45·8	·270	75	W	—	5	Cu. N.	S to N		Sun was more or less hidden under cloud all through.
11·8	·706	49·8	46·0	·272	76	SW	1·6	7	Cu. N.	...		Ditto ditto.
11·23	·702	50·0	46·2	·274	76	SSW	3·2	7	Cu. N	...		Ditto ditto.
11·38	·698	50·8	46·5	·273	73	Calm	2·4	7	Cu. N.	...		Ditto ditto.
11·53	·696	51·4	46·9	·276	72	WSW	1·6	7	Cu. N.	...		Ditto ditto.
P.M.												
0·8	·692	52·8	47·2	·268	67	SSW	4·0	6	Cu. N.	...		Obscuration commenced from WSW.
0·13	·692	52·9	46·0	·240	59	WSW	6·0	6	Cu. N.	...	1	Clouds looked darkish grey.
0·18	·694	53·0	45·8	·235	58	WSW	2·4	6	Cu. N.	...	1	
0·23	·683	53·3	45·7	·230	57	WSW	13·2	4	Cu. N.	...		
0·28	·682	55·4	47·0	·236	53	WNW	4·8	5	Cu. N.	...	3	Clouds more darkish grey.
0·33	·652	54·3	45·0	·204	48	W	15·6	4	Cu. N.	..		
0·38	·676	54·8	45·6	·212	50	WSW	3·6	4	Cu. N.	...	4	Clouds whitish grey.
0·43	·674	54·9	45·8	·215	50	WSW	3·6	4	Cu. N.	...	5	Gloomy, ditto.
0·48	·676	53·9	45·2	·212	50	WSW	13·2	4	Cu.	...		
0·53	·676	52·8	44·3	·204	50	WSW	15·6	5	Cu. N	...		
0·58	·676	53·1	44·1	·197	48	SW	19·2	6	Cu. N.	...	6	Dark and gloomy.
1·3	·668	54·4	45·0	·203	47	SSW	20·4	9	Cu. N.	...		Ditto.
1·8	·670	53·8	44·7	·203	49	WSW	13·2	10	Cu. N.	...		Ditto.
1·13	·668	54·0	45·2	·211	50	SSW	2·4	10	Cu. N.	...		Ditto.
1·18	·666	54·4	44·8	·199	47	SSW	2·4	10	Cu. N.	SW to NE		Ditto.
1·23	·662	54·4	44·7	·197	47	WSW	6·0	5	Cu. N.	...	5	Ditto.
1·28	·660	54·4	44·8	·199	47	WSW	4·8	4	Cu. N.	SW to NE	4	
1·33	·656	53·8	45·2	·213	51	SSW	6·0	7	Cu. N.	SW to NE	4	Hazy.
1·38	·656	53·4	44·8	·209	51	WSW	15·6	10	Cu. N.	...	4	
1·43	·654	53·1	44·2	·199	49	WSW	6·0	9	Ci. S.	...	3	
1·48	·654	53·6	44·6	·203	49	SW	8·4	9	Cu. N.	SW to NE		
1·53	·652	54·0	45·1	·208	49	W	27·6	5	Cu. N.	NW to SE	3	
1·58	·656	55·0	45·6	·210	48	SSW	8·4	5	Cu. N.	...	2	
2·3	·650	55·9	46·2	·213	47	WSW	14·4	7	Cu. N.	SE to NW		
2·8	·650	55·8	45·6	·202	45	WSW	28·8	7	Cu. N.	...	2	Clouds darkish grey near the sun.
2·13	·648	55·6	46·1	·212	48	SSW	16·8	8	Cu. N.	SW to NE	1	
2·18	·650	56·2	45·2	·188	41	WSW	10·8	5	Cu. N.	...	1	
2·23	·648	56·1	45·5	·197	44	WSW	4·8	10	Cu. N.	...		
2·28	·646	57·2	46·5	·208	44	WSW	7·2	10	Cu. N.	SW to NE	1	
2·33	·642	57·3	45·8	·191	40	SSW	21·6	7	Ci. S.	...		
2·48	·646	58·1	46·1	·188	39	SSE	12·0	9	Ci. S.	NW to SE		
3·3	·646	57·7	46·0	·191	40	SSW	10·4	10	Ci. S.	NW to SE		Overcast.
3·18	·644	58·0	46·9	·207	43	WSW	10·4	7	Ci. S.	NW to SE		Hazy.
3·33	·650	57·8	46·7	·205	43	W	9·6	8	Cu. N.	SW to NE		Ditto.
3·48	·654	56·5	46·1	·205	44	WSW	11·6	7	Cu. N.	SW to NE		Ditto.
4·3	·653	57·6	47·0	·214	45	WSW	7·6	7	Cu. N.	NW to SE		
4·18	·655	56·8	47·1	·224	48	W	12·0	7	Cu. N.	NW to SE		Ditto.
4·33	·660	55·3	45·3	·200	45	W	10·8	9	Ci. S.	S to N		
4·53	·658	55·4	45·7	·208	47	WSW	5·1	9	Ci. S.	S to N		

No 150 Lat 16° 46′ N **RANGOON** Long 96° 2′ E

Nine hundred and fifty miles from central line of totality Greatest obscuration, 5

Hour. Madras time	Barometer: Corrected and reduced to 32° F	Barometer: Reduced to sea level and constant gravity	Dry bulb corrected	Wet bulb corrected	Aqueous vapour pressure	Relative humidity	Wind: Direction	Wind: Amount since preceding interval in miles per hour	Cloud proportion	Proportion of eclipse totality 10	Weather and other remarks
A M	"	"	°	°		%					
9 11	30·017	29·995	82·5	72·1	648	58	SE		*Nil*		Clear blue sky
9·26	016	994	83·6	71·8	622	54	SE		"		
9·41	012	990	84·1	71·7	610	52	SE		"		
9·56	004	981	85·3	71·2	576	47	SE	4·0	"		
10·11	·001	978	85·8	70·8	553	45	SE		"		
10·26	29·991	968	86·7	70·1	515	40	ESE		"		
10·41	980	957	87·0	70·5	526	41	NE		"		
10·56	970	947	87·9	70·3	506	38	NNE	6·0	"		
11·11	960	937	88·2	70·2	498	37	NNE				
11·26	·952	·929	88·7	70·2	491	36	NNE		"		
11·41	·939	916	89·1	70·3	490	35	NNE		"		
11·56	932	909	89·4	70·3	486	35	NNE	10·0			
P M 0·11	930	907	88·9	70·2	488	36	NNE		"		
0·26	915	892	89·8	69·9	464	33	NNE		"		
0·31	912	889	89·9	70·3	480	34	NNE				
0·36	·909	886	89·2	69·5	458	33	NNE		"		
0·41	906	883	89·9	70·4	483	34	NNE		"		Eclipse began 0·4 P M
0·46	906	883	89·8	70·3	481	34	NNE		"		
0·51	·906	883	89·4	70·6	497	36	NNE			1	
0·56	904	881	89·9	71·2	513	37	NNE	6·0		1	
1·1	902	879	89·5	70·9	508	37	NNE		"	1	
1·6	898	875	88·7	69·7	472	35	NNE		"	2	
1·11	896	873	88·7	70·4	499	36	NNE			2	
1·16	896	873	88·7	70·1	488	36	NNE		"	2	
1·21	892	869	88·6	70·2	491	36	NNE		"	3	
1·23	890	867	88·4	70·3	500	37	NNE		"	3	
1·31	886	863	88·7	71·1	527	39	NNE		"	3	
1·36	886	863	88·5	70·4	502	37	NNE		"	4	
1·41	885	863	87·9	70·2	502	37	NNE		"	4	
1·46	884	861	88·4	70·4	503	37	NNE		"	4	
1·51	881	858	88·0	70·9	528	40	NNE	6·0	"	5	
1·56	880	857	88·0	70·6	515	39	NNE		"	4	
2·1	880	857	88·1	71·1	534	40	NNE		"	4	
2·6	877	854	87·9	70·3	506	38	NNE		"	4	
2·11	877	854	87·2	70·2	511	39	NNE		"	3	
2·16	875	852	87·3	71·2	549	42	NNE		"	3	
2·21	875	852	87·5	70·9	535	41	NNE		"	3	
2·26	875	852	87·3	70·9	536	41	NNE		"	3	
2·31	875	852	87·3	70·5	522	40	NNE		"	2	
2·36	874	851	87·1	70·3	517	39	NNE		"	2	
2·41	872	849	87·3	70·3	514	39	NNE		"	2	
2·46	869	846	87·9	70·1	537	40	NNE		"	1	
2·51	868	845	87·6	70·8	529	40	NNE		"	1	
2·56	·867	844	87·7	70·3	507	38	NNE	4·0	"	1	Eclipse ended 2·58 P M

No. 151. Lat. 30° 53′ N. CHAMAN. Long. 66° 28′ E.

Nine hundred and eighty-five miles from central line of totality. Greatest obscuration, 7.

Hour. Madras time.	Barometer. Corrected and reduced to 32°F	Dry bulb corrected.	Wet bulb corrected.	Aqueous vapour pressure.	Relative humidity.	Wind. Direction	Wind. Amount since preceding interval, in miles per hour.	Cloud. Kind.	Cloud. Direction of motion.	Proportion of eclipse, totality 10.	Weather and other remarks.
A.M.	″	°	°	″	%						
10- 0	25·795	45·9	44·9	·288	92	N	...	N.	NE to SW		Fine clear weather throughout. Sky covered with grey and black cloud.
10-15	·809	46·1	45·1	·290	92	NW	3·6	N.	NE to SW		Ditto. Sun invisible
10-30	·807	45·9	44·9	·288	92	NW	3·2	N.	NE to SW		Ditto. ditto.
10-45	·805	47·9	45·9	·288	86	NW	2·0	N.	NE to SW		Ditto. ditto.
11- 0	·813	49·5	46·9	·293	83	NNW	2·0	N.	NE to SW		Ditto. ditto.
11-15	·811	50·9	47·9	·301	80	NNW	0·8	N.	NE to SW		Ditto. ditto.
11-30	·827	49·9	46·9	·288	80	NNW	1·6	Cu. N.	NE to SW		Sky in middle blue with thin white clouds and all around covered with white, grey and black cloud. Sun disappeared in clouds.
11-45	·817	50·9	46·9	·277	74	SW	2·4	Cu. N.	NE to SW		Ditto Sun invisible.
12- 0	·817	50·9	47·9	·301	80	NNW	2·8	Cu. N.	NE to SW		Ditto ditto.
P.M.											
0-15	·809	50·9	47·9	·301	80	WNW	2·4	Cu. N.	NE to SW		Sky covered with white grey and black clouds
0-30	·802	51·7	47·9	·292	77	NW	6·8	Cu. N.	NE to SW		Ditto ditto.
0-45	·795	51·7	47·9	·292	77	NW	3·6	Cu. N.	NE to SW		Ditto ditto.
1- 0	·789	50·9	47·5	·291	78	NW	6·0	Cu. N.	NE to SW		Ditto ditto.
1- 5	·789	50·9	47·5	·291	78	NW	4·8	Cu. N.	NE to SW	5	Cloudy; sun visible through white clouds.
1-10	·791	50·9	46·9	·277	74	NW	6·0	Cu. N.	NE to SW	5	Ditto ditto.
1-15	·791	50·9	46·9	·277	74	NW	4·8	Cu. N.	NE to SW	5	Ditto ditto.
1-20	·787	50·9	46·9	·277	74	WNW	3·6	Cu. N.	NE to SW	6	Ditto ditto.
1-25	·777	50·9	46·9	·277	74	WNW	10·8	Cu. N.	NE to SW	6	Ditto ditto.
1-30	·773	50·9	46·9	·277	74	WNW	4·8	Cu. N.	NE to SW	7	Ditto ditto.
1-35	·773	50·9	46·9	·277	74	NNW	2·4	Cu. N.	NE to SW	6	Ditto ditto.
1-40	·775	50·9	47·5	·291	78	NNW	2·4	Cu. N.	NE to SW	5	Ditto ditto.
1-45	·775	50·9	47·9	·301	80	NNW	2·4	Cu. N.	NE to SW	4	Ditto ditto.
1-50	·773	50·9	47·9	·301	80	NNW	2·4	Cu. N.	NE to SW	4	Ditto ditto.
1-55	·767	51·1	47·9	·298	80	NNW	3·6	Cu. N.	NE to SW		Ditto Sun disappeared in clouds.
2- 0	·767	51·1	47·9	·298	80	NNW	2·4	Cu. N.	NE to SW	3	Ditto Sun visible through white clouds.
2- 5	·767	51·5	47·9	·294	76	NW	1·2	Cu. N.	NE to SW		Ditto Sun invisible in clouds.
2-10	·771	51·5	47·9	·294	76	NW	2·4	Cu. N.	NE to SW		Ditto ditto.
2-15	·771	51·9	47·9	·289	75	NW	1·2	Cu. N.	NE to SW	2	Ditto Sun visible.
2-20	·771	51·9	48·5	·303	79	NW	10·8	Cu. N.	NE to SW	2	Ditto ditto.
2-25	·769	52·9	48·9	·302	75	NW	12·0	Cu. N.	NE to SW		Ditto Sun invisible.
2-30	·769	52·9	48·9	·302	75	NW	19·2	Cu. N.	NE to SW		Ditto Sun visible.
2-45	·765	53·9	48·9	·290	69	WSW	4·0	Cu. N.	NE to SW		Ditto
3- 0	·754	53·9	48·9	·290	69	WSW	3·2	Cu. N.	NE to SW		Sky covered with white, grey and black clouds.
3-15	·756	53·9	48·9	·290	69	W	2·4	Cu. N.	NE to SW		Ditto ditto.
3-30	·758	54·5	48·9	·284	67	W	2·4	Cu. N.	NE to SW		Sky to north-west blue with thin white clouds and all around covered with white, grey and black clouds.
3-45	·752	56·5	50·9	·310	68	W	3·2	Cu. N.	NE to SW		Ditto ditto.
4- 0	·746	56·9	49·9	·281	61	WSW	2·0	Cu. N.	NE to SW		Ditto ditto.

No. 152. Lat. 16° 29′ N. MOULMEIN. Long. 97

One thousand and twenty-eight miles from central line of totality. Greatest obscuration, 5.

Hour. Madras time.	Barometer. Corrected and reduced to 32° F.	Barometer. Reduced to sea-level and constant gravity.	Dry bulb corrected.	Wet bulb corrected.	Aqueous vapour pressure.	Relative humidity.	Wind. Direction.	Wind. Amount since preceding interval, in miles per hour.	Cloud. Proportion.	Cloud. Kind.	Proportion of eclipse, totality 10.	Weather and other remarks.
A.M.	"	"	°	°	"	%						
8·50	29·967	29·998	81·7	73·1	·701	65	NE	...	*Nil*	...		Fine clear weather.
9·5	·959	·990	82·2	73·6	·714	65	NE	21·2	"	...		Ditto.
9·20	·956	·987	82·7	72·1	·647	58	NE	2·0	"	...		Ditto.
9·35	·953	·984	83·7	72·6	·653	57	NE	3·2	"	...		Ditto.
9·50	·943	·974	85·7	73·6	·667	55	NE	2·0	"	"		Ditto.
10·5	·937	·968	85·7	75·1	·730	59	NE	2·0	"	...		Ditto.
10·20	·931	·962	86·7	75·6	·738	58	N	3·6	1	Fr. Cu.		Ditto.
10·35	·920	·951	86·7	77·1	·803	63	NW	0·4	2	Fr. Cu.		Ditto.
10·50	·910	·941	86·7	77·1	·803	63	NW	6·0	2	Cu.		Ditto.
11·5	·903	·934	86·7	77·1	·803	63	NNW	7·6	3	Cu.		Ditto.
11·20	·894	·924	87·2	76·1	·752	58	NNW	8·0	3	Cu.		Ditto.
11·35	·887	·917	87·7	72·1	·579	44	NNW	8·0	3	Cu.		Ditto.
11·50	·879	·909	88·2	72·1	·573	43	NNW	2·8	3	Cu.		Ditto.
P.M.												
0·5	·872	·903	86·7	70·6	·534	42	NNW	6·0	3	Cu.		Ditto.
0·20	·860	·890	87·7	72·1	·579	44	NNW	4·8	3	Cu.		Ditto.
0·35	·851	·881	89·7	72·1	·553	39	NNW	4·8	3	Cu.		Hot and oppressive.
0·50	848	·878	89·7	72·1	·553	39	NNW	6·0	3	Cu.	1	Fine clear weather.
1·5	·846	·876	88·7	70·6	·507	38	NNW	5·2	3	Cu.	1	Ditto.
1·15	·845	·875	88·7	71·1	·527	39	NNW	5·4	3	Cu.	2	Ditto.
1·25	·841	·871	88·7	71·1	·527	39	NNW	3·0	3	Cu.	3	
1·35	·837	·868	86·7	70·1	·515	40	NNW	4·8	3	Cu.	3	Cloud over the sun.
1·45	·836	·867	86·7	70·1	·515	40	NNW	7·2	3	Cu.	4	Ditto. and cool breeze.
1·55	·830	·861	86·7	70·1	·515	40	NNW	7·2	2	Cu.	5	Cool breeze.
2·5	·832	·863	86·7	72·1	·593	47	NNW	11·4	*Nil*	Fr. Cu.	4	Fine and cool.
2·15	·835	·866	86·7	71·1	·554	44	NNW	...	"	...	3	Ditto.
2·25	·825	·856	87·7	71·6	·560	43	NNW	3·0	"	...	2	Ditto.
2·35	·823	·853	88·2	72·6	·592	45	NNW	1·2	"	...	1	Ditto.
2·45	823	·853	88·2	73·1	·613	46	NNW	2·6	"	...	1	Ditto.
2·55	·821	·851	87·2	72·1	·586	45	NNW	3·0	"	...		Ditto.

No. 153. Lat. 14° 4′ N. TAVOY. Long. 98° 19′ E.

One thousand one hundred and sixty-eight miles from central line of totality. Greatest obscuration, 3.

Hour. Madras time.	Barometer. Corrected and reduced to 32° F.	Barometer. Reduced to sea-level and constant gravity.	Dry bulb corrected.	Wet bulb corrected.	Aqueous vapour pressure.	Relative humidity.	Wind. Direction.	Wind. Amount since preceding interval, in miles per hour.	Cloud, kind and proportion.	Proportion of eclipse, totality to.	Weather and other remarks.
	"	"	°	°	"	%					
A.M. 8·48	29·997	29·955	81·9	72·4	·669	61	WNW	...	*Nil		Cloudless sky. Atmosphere clear. Fine clear weather.
9·3	·995	·953	83·9	73·2	·674	58	NW	2·0	"		Ditto ditto.
9·18	·990	·948	84·9	73·7	·682	57	NW	1·6	"		Ditto ditto.
9·33	·986	·944	85·7	74·2	·692	56	NW	1·6	"		Ditto ditto.
9·48	·981	·939	86·7	74·2	·677	53	Calm	0·4	"		Ditto ditto.
10·3	·974	·932	87·9	74·2	·662	50	Calm	0	"		Ditto ditto.
10·18	·966	·924	88·7	74·2	·650	48	WNW	2·0	"		Ditto ditto.
10·33	·956	·914	88·4	74·4	·663	49	WNW	1·2	"		Ditto ditto.
10·48	·947	·904	89·9	74·7	·656	47	W	4·8	"		Ditto ditto.
10·53	·943	·900	89·9	74·4	·643	45	...	...	"		Ditto ditto.
10·58	·939	·896	89·9	73·4	·602	43	...	...	Cu.		Small isolated masses of clouds to NNE. Sky blue. Clear weather.
11·3	·934	·892	89·4	73·7	·621	45	WSW	2·4	Cu.		Small isolated masses of clouds. Sky blue and clear weather.
11·8	·934	·892	89·1	74·2	·645	47	...	...	Cu.		Ditto clouds to NNE. and E. Do.
11·13	·932	·889	90·4	74·2	·628	44	...	...	Cu.		Ditto Do.
11·18	·930	·887	90·7	74·2	·623	43	NW	2·8	Cu.		Ditto clouds to N., NNE. and E. Do.
11·23	·930	·887	90·7	74·4	·635	43	...	...	Cu.		Ditto clouds to N. and E. Do.
11·28	·926	·883	90·4	74·2	·628	44	...	...	Cu.		Ditto clouds from N. to NNW., E. and SSE. Do.
11·33	·924	·879	90·7	74·2	·623	43	N	4·0	Cu.		Ditto clouds from N. to NNW. and SSE. Do.
11·38	·920	·877	90·4	74·2	·628	44	...	...	Cu.		Ditto clouds from N to W. and SSE. Do.
11·43	·916	·873	90·9	74·7	·642	45	...	...	Cu.		Ditto Do.
11·48	·912	·869	90·9	73·7	·601	42	NNW	2·0	Cu.		Ditto clouds from N. to SSE. and SSW. Do.
11·53	·912	·869	92·4	75·2	·643	43	...	...	Cu.		Ditto clouds from N. to S. and SSW. Do.
11·58	·910	·867	91·4	77·0	·734	49	...	...	Cu.		Ditto clouds to N. and S. Do.
P.M. 0·3	·908	·865	90·9	76·7	·728	49	NW	3·2	Cu.		Ditto clouds from N to E. and S. Do
0·8	·905	·862	91·7	77·0	·730	49	...	...	Cu.		Ditto Do.
0·13	·903	·860	91·7	77·0	·730	49	...	...	Cu.		Ditto clouds from N to S. Do.
0·18	·903	·860	91·7	77·2	·739	49	NW	5·2	Cu.		Ditto Do.
0·23	·903	·860	90·9	76·2	·706	49	...	...	Cu.		Ditto Do.
0·28	·8 9	·856	90·7	76·0	·700	49	...	...	Cu.		Ditto clouds from NE to S. Do.
0·33	·899	·856	90·7	75·7	·687	48	NW	4·4	Cu.		Ditto clouds from E to S. Do
0·38	·897	·854	90·9	76·2	·706	49	...	...	Cu.		Ditto clouds from SE to S. Do
0·43	·893	·851	89·9	75·4	·686	48	...	...	Cu.		Ditto clouds to SSE. Do
0·48	·891	·848	90·9	76·2	·706	49	NW	6·4	Cu.		Ditto Do.
1·3	·889	·846	89·7	75·7	·701	50	WNW	4·4	Cu.	1	Ditto clouds to SSE, and S. Do.
1·18	·888	·846	88·9	76·2	·733	54	WNW	5·6	Cu.		Ditto Do.
1·33	·880	·838	87·9	75·7	·726	56	NW	4·0	Cu.		Ditto clouds to SE. Do.
1·48	·880	·838	86·4	75·7	·745	59	WNW	8·8	*Nil*		Cloudless sky; fine clear weather; blue sky.
2·3	·876	·834	85·4	75·2	·738	60	NW	5·2	"	3	Ditto ditto.
2·18	·875	·833	86·4	76·2	·767	61	NW	6·4	"		Ditto ditto.
2·33	·873	·831	85·9	76·2	·774	62	NW	3·6	"	1	Ditto ditto.
2·48	·871	·829	86·9	77·2	·804	63	NW	5·6	"		Ditto ditto.

No. 154. Lat. 12° 11′ E. **MERGUI.** Long. 98° 58′ E

One thousand two hundred and seventy-five miles from central line of totality. Greatest obscuration, 2.

Hour.	Barometer.		Dry bulb corrected.	Wet bulb corrected	Aqueous vapour pressure.	Relative humidity.	Wind		Cloud, kind and proportion.	Weather and other remarks.
Madras Time.	Corrected and reduced to 32°F.	Corrected to sea-level and constant gravity.					Direction.	Amount since preceding interval, in miles per hour.		
A.M.	"	"	°	°	" °	%				
8·46	29·915	29·943	83·6	74·4	·723	63	Calm	...	*Nil*	Blue sky throughout.
9·1	·919	·947	82·0	73·9	·749	67	NNE	0·8	"	
9·16	·915	·943	82·8	73·9	·717	63	NNE	1·6	"	
9·31	·908	·936	84·6	74·9	·735	61	NNE	2·0	"	
9·46	·904	·932	83·4	71·4	·731	63	NNE	2·4	"	
10·1	·899	·927	82·0	74·2	·742	68	NNE	2·8	"	
10·16	·893	·921	83·6	75·2	·761	65	NNE	2·8	"	
10·31	·891	·919	84·6	75·6	·765	64	NNE	6·4	"	
10·46	·884	912	84·1	74·9	·742	63	NNE	2·0	"	
11·1	·877	·904	85·6	74·8	·718	61	NNE	0	Cu.	
11·16	·869	·896	86·8	75·6	·735	58	Calm	1·6	Cu.	
11·31	·859	·886	86·6	76·2	·763	60	Calm	2·4	Cu.	
11·46	·848	·875	86·4	75·6	·741	59	NNE	2·8	Cu.	
P.M.										
0·1	·840	·867	85·8	75·4	·740	59	NNE	2·8	Cu.	
0·16	·832	·859	86·6	75·9	·751	59	NNE	3·2	Cu.	
0·31	·820	·847	86·2	76·0	·762	61	NNE	4·8	Cu.	
0·46	·814	·841	88·6	76·4	·746	55	N	2·4	Cu.	
0·51	·810	·837	86·6	76·4	·773	60	...	...	Cu.	
0·56	·810	·837	87·6	74·4	·674	51	N	3·6	Cu.	
1·1	·808	·835	87·6	77·4	·803	61	...	...	Cu	
1·6	·803	·830	88·0	77·4	·798	60	Calm	3·6	Cu.	
1·11	·803	·830	87·1	77·4	·810	62	...	...	Cu.	
1·16	·807	·834	87·6	77·4	·803	61	Calm	2·4	Cu.	
1·21	·799	·825	87·4	77·6	·816	63	...	...	Cu.	
1·26	·799	·825	86·6	77·6	·826	65	N	2·4	Cu	
1·31	·797	·823	85·1	76·9	·802	64	..	...	Cu.	
1·36	·798	·824	85·6	77·4	·830	67	Calm	5·4	Cu.	
1·41	·800	·826	85·6	76·4	·787	63	...	...	Cu.	
1·46	·800	·826	85·6	76·9	·808	65	N	5·4	Cu.	
2·1	·798	·824	85·6	77·4	·830	67	N	2·4	Cu.	
2·16	·792	·818	85·6	77·4	·830	67	N	2·8	*Nil*	
2·31	·788	·814	85·6	77·2	·820	66	N	1·6	"	
2·46	·788	·814	85·6	77·4	·830	67	N	2·4	"	

The following gives series of observations recorded at three stations on the line of totality by members of various eclipse parties. The first series were recorded at Viziadrug, the second series at Ghunghuti in Central India and the third at Dumraon in Bihar.

Meteorological observations recorded at the fort of Viziadrug in connection with the Solar Eclipse of January 22nd, 1896.

Viziadrug is situated on the coast of the Konkan, about 30 miles south of Ratnagiri and 170 miles south of Bombay in Lat. 16° 34′ N. and Long. 73° 22′ E.

The harbour is one of the best on the West Coast, and can be entered in all weathers. To the south of the harbour on a neck of rocky land is the fort of Viziadrug, which rises about 100 feet above the river. It is one of the strongest Mahomedan fortresses in the Konkan. It has a triple line of walls with numerous towers. The highest point of the fort is at the extremity of the neck facing the sea.

A temporary shed of the Bengal pattern was erected for the temperature observations. It consisted of an elliptical-shaped thatched roof, about 6 inches thick, supported by wooden pillars, and was 25 feet long and 15 feet broad.

Six thermometers were freely suspended to cross pieces of bamboo, and on a table were placed a Richard barograph and a Richard thermograph.

At a distance of about 20 feet to the south of the shed was placed a solar radiation thermometer on a suitable stand, and at a greater distance in a westerly direction were erected a wind vane and a Robinson anemometer on a wooden stand about 5 feet high so that these instruments could be read easily and without mounting a ladder. They were placed on the highest part of the fort. As the elevation of these instruments was about 100 feet above the level of the sea, the nearest points of which in the easterly and southerly directions were about 100 yards away, they were well exposed and showed the direction of the air movement quite satisfactorily.

Instruments.—The instruments employed in the observations were as follows :—

Richard Freres' Barograph, No. 22,704, by Casella.
Richard Freres' Thermograph, No. 19,544, by Casella.
Fortin Barometer, by Casella.

Standard Thermometer,	No.	280	by Bailey of Manchester.
Ditto,	"	281	
Ditto,	"	282	
Ditto,	"	283	
Ditto,	"	284	
Ditto,	"	245	

Solar Radiation Thermometer, No. 61,169, by Negretti and Zambra.
Wind vane, by Adie.
Robinson Anemometer, No. 548, by Casella.

The observations that were recorded in connection with the solar eclipse were as follows:—

(1) Eye observations of temperature, pressure, wind direction and amount and weather taken by twelve of the crew of the *Melpomene* at intervals of five minutes from 11 A.M. to 1·20 P.M. on the 22nd of January.

(2) Eye observations recorded during the period from 9·15 A.M. of the 21st to 2·30 P.M. of the 24th.

(3) Observations of pressure and of the dry and wet bulb temperatures from

5 P.M. of the 20th to 3 P.M. of the 24th recorded by a Richard barograph and a Richard thermograph.

In the following table (Table I) are given the observations of pressure, temperature of the air, wind direction and readings of an anemometer and a solar radiation thermometer during the period of the solar eclipse by twelve members of the crew of H.M.S. *Melpomene.* The barometer was placed in a room of the Public Works Department rest-house in the Viziadrug fort, and was read by G. Woolston and P. Kieffe, Petty Officers, 1st class. The solar radiation thermometer, No. 61,169, by Negretti and Zambra, was placed on a suitable stand at the elevation of 4 feet from the ground. The instrument was in the charge of G. Butt. He was instructed to set the instrument before each reading so as to give the actual reading of the instrument at the instant of observation and carried out his instructions most carefully. The wind vane was a small instrument, by Adie of London, and the anemometer, a small Robinson instrument by Casella, of the usual type used at the Indian meteorological stations. They were placed on a stand about four feet from the ground in a very open and favourable position. The wind observations were taken by C. Mintram.

The temperatures of the air in the shed given in the table below are the means of simultaneous readings of two of the Bailey thermometers, which were freely suspended.

TABLE I.—*Observations recorded by members of the crew of H.M.S.* Melpomene *at five minutes interval during the solar eclipse, 22nd January 1898.*

Hour. Madras time.	Barometer reduced to 32° F.	Mean temperature in the shade.	Solar radiation thermometer No 61169 corrected	Difference, solar radiation thermometer and air temperature.	Wind direction.	Anemometer reading.	Amount of wind recorded during interval, in miles	Wind velocity since preceding interval, in miles per hour	Portion of sun's disc covered (by calculation).
A M	F	°	°	°					
11·0		86·9	138·8	51·9	SE	198·2			
11·5	29·949	86·9	139·3	52·4	E	198·6	0·4	4·8	
11·10	·939	87·5	138·6	51·1	SE	199·2	0·6	7·2	
11·12	·939	87·6	139·3	51·7	SE	199·5	0·3	9·0	
11·15	·939	86·5	140·1	53·6	SE	199·9	0·4	8·0	
11·20	·939	87·6	140·6	53·0	SE	200·4	0·5	6·0	·15
11·25	·939	87·3	139·8	52·5	SE	200·9	0·5	6·0	·04
11·30	·939	88·0	139·1	51·1	SE	201·3	0·4	4·8	·08
11·35	·939	88·3	136·3	48·0	E	201·7	0·4	4·8	·12
11·40	·939	88·2	134·1	45·9	E	202·0	0·3	3·6	·17
11·45	·939	87·8	131·1	43·3	Var.	202·5	0·5	6·0	·22
11·50	·939	87·8	1.86	40·8	E	203·0	0·5	6·0	·27
11·55	·929	86·9	126·1	39·2	E	203·6	0·6	7·2	·33
Noon	·929	86·9	122·3	35·4	E	204·1	0·5	6·0	·39
P M. 0·5	·929	86·9	118·1	31·2	NE	204·4	0·3	3·6	·45

Hour. Madras time.	Barometer reduced to 32° F.	Mean temperature in the shade	Solar radiation thermometer No. 61169 corrected.	Difference, solar radiation thermometer and air temperature.	Wind direction.	Anemometer reading.	Amount of wind recorded during interval, in miles.	Wind velocity since preceding interval, in miles per hour.	Portion of sun's disc covered (by calculation).
P.M.	"	°	°	°					
0-10	29·931	86·5	114·1	27·6	NNE	204·8	0·4	4·8	·51
0-15	·921	86·5	109·8	23·3	E	205·2	0·4	4·8	·58
0-20	·921	86·2	104·6	18·4	SE	205·5	0·3	3·6	·65
0-25	·911	86·2	100·6	14·4	SE	205·7	0·2	2·4	·72
0-30	·911	85·8	96·1	10·3	SSE	205·8	0·1	1·2	·80
0-35	·914	83·7	90·6	6·9	WSW	206·0	0·2	2·4	·89
0-40	·907	82·8	84·8	2·0	WSW	206·1	0·1	1·2	1·00
0-43			81·8						
0-45			80·8						
0-47			79·3						
0-50	·899	81·5	78·1	—3·4	W	207·3	1·2	7·2	
0-55		81·0	78·8	—2·2	W	208·0	0·7	8·4	
1-0		80·8	81·3	0·5	W	208·8	0·8	9·6	
1-5		80·8	85·3	4·5	WSW	209·4	0·6	7·2	
1-10		80·8	90·3	9·5	W	210·1	0·7	8·4	
1-15		81·1	94·8	13·7	WSW	210·9	0·8	9·6	
1-20		81·9			WSW	211·5	0·6	7·2	

Eye observations were recorded by myself from the 21st to the 24th January.

The most important observations recorded at Viziadrug were those registered by a Richard barograph and a thermograph. The cylinders of these instruments revolved in 24 hours, and hence the traces are open and admit of fairly exact measurement, the trace of the barograph to ·004″ and of the thermograph to 0°·2.

The instruments were placed on a table rigidly fixed in the open shed facing the north. The thermograph was freely exposed to the air, whilst it was protected as far as possible from irregular reflection and radiation from the ground, rocks, etc.

The following gives the measured readings of these instruments at intervals of 15 minutes from 5 P.M. of the 20th to 2·45 P.M. of the 24th and also occasional eye readings taken for the purpose chiefly of verifying the readings of the automatic instruments :—

Lat 16° 34′ N. VIZIADRUG Long 73° 22′ E

On the central line of totality.

Date	Hour: Madras time	Hour: Barograph	Barometer reduced to 32° F	Dry bulb, No 361	Thermograph: Dry bulb	Thermograph: Wet bulb	Aqueous vapour pressure	Relative humidity	Wind: Direction	Wind: Amount since preceding interval in miles per hour	Cloud proportion	Solar radiation thermometer	Proportion of sky visible to the naked eye	Weather and other remarks
	P M	"			°	°	"	%				°		
20th Jan	5·0	29 82			78 0	68 5	571	60						
	5 15	81			77 7	62 8	566	61						
	5·30	805			77 9	65·1	594	60						
	5 45	81			77 5	67 7	549	58						
	6·0	82			76 9	67 3	542	59						
	6 15	82			76 3	67 4	552	60						
	6·30	830			76 1	67 0	541	60						
	6·45	·835			75 9	67·1	547	61						
	7·0	84			75 9	67 3	553	62						
	7 15	84			76 0	67 3	553	61						
	7 30	843			76 0	67 8	·571	63						
	7 45	845			76 0	67 2	550	61						
	8·0	847			76 1	67 0	541	60						
	8·15	848			76 0	67 6	563	62						
	8 30	850			76 0	67·3	553	61						
	8 45	855			76 0	67 5	560	62						
	9·0	860			75 5	67 5	567	64						
	9 15	860			75 2	67 4	568	65						
	9 30	862			74 5	66 9	559	66						
	9 45	865			73 9	66 1	538	64						
	10·0	·865			73 5	65·8	531	64						
	10 15	865			73 1	65 6	531	65						
	10·30	865			73 0	65 5	529	65						
	10 45	865			73 0	65 1	515	65						
	11 0	866			72 2	65 1	526	67						
	11 15	866			72 0	65 0	525	67						
	11 30	865			71 8	65 1	531	68						
	11·45	865			71	65·0	532	69						
	Midnight A M	860			71 1	65 0	538	71						
21st	0 15	86			71 3	65 1	538	70						
	0·30	86			71 2	64·9	532	70						
	0·45	85			71 1	64 4	·516	67						
	1 0	85			69 8	63·7	510	70						
	1 15	84			69·2	64 0	528	74						
	1 30	84			69·9	63 5	501	68						
	1 45	83			69 2	62 3	471	65						
	2·0	83			68 5	61 8	465	66						
	2 15	82			67 5	60·8	446	66						
	2 30	82			66 8	60 7	452	69						
	2 45	81			66 2	60 2	443	68						

Lat. 16° 34′ N. VIZIADRUG—*contd.* Long. 73° 22′ E.

On the central line of totality.

Date.	Hour. Madras time.	Barograph.	Barometer reduced to 32° F.	Dry bulb, No. 281.	Thermograph. Dry bulb.	Thermograph. Wet bulb.	Aqueous vapour pressure.	Relative humidity.	Wind. Direction.	Wind. Amount since preceding interval, in miles per hour.	Cloud proportion.	Solar radiation thermometer.	Proportion of sun visible as observed by Dyer.	Weather and other remarks.
		°	°	°	°	°	″	%				°		
	A.M.													
21st Jan. —*cont.d.*	3·0	29·81			66·2	60·0	·437	67						
	3·15	·80			65·9	59·9	·437	68						
	3·30	·80			65·0	59·4	·434	70						
	3·45	·80			65·3	59·1	·421	67						
	4·0	·80			66·1	59·0	·407	64						
	4·15	·80			66·4	58·2	·378	58						
	4·30	·80			66·1	58·0	·376	59						
	4·45	·80			66·1	57·9	·374	58						
	5·0	·81			66·0	57·7	·368	58						
	5·15	·81			65·1	57·8	·354	62						
	5·30	·81			64·0	57·2	·379	64						
	5·45	·82			63·6	57·7	·400	68						
	6·0	·83			63·6	56·9	·375	64						
	6·15	·84			63·7	56·8	·371	63						
	6·30	·84			63·2	56·9	·381	66						
	6·45	·84			63·0	55·1	·338	57						
	7·0	·85			63·1	56·4	·367	63						
	7·15	·85			65·6	57·2	·358	56						
	7·30	·87			69·0	59·5	·384	54						
	7·45	·88			72·1	60·5	·374	48						
	8·0	·88			69·6	58·9	·357	48						
	8·15	·89			69·4	59·9	·391	54						
	8·30	·89			69·5	60·1	·396	54						
	8·45	·94			70·9									
	9·0	·95												
	9·15	·95	29·937	77·9	74·5	61·3	·368	43	ESE		*Nil*	132·0		
	9·30	·95	·953	77·5	73·3	61·1	·377	46	NN	1·6	"	134·7		Sun just moving.
	9·45	·95	·962	78·3	74·2	63·7	·441	54	N	2·0	"	136·7		Fine clear bright atmosphere throughout.
	10·0	·95	·967	79·7	75·0	64·0	·451	52	NW	2·0	"	140·0		
	10·15	·94	·950	80·4	76·0	65·0	·472	53	NE	3·2	"	143·0		
	10·30	·94			77·4	65·8	·482	52						
	10·40		·938	82·4					Variable	1·4	"	146·0		
	10·45	·93	·939	80·0	78·2	64·2	·414	43	SE	10·8	"	147·0		
	11·0	·93			81·0	63·2	·313	32						
	11·15	·93			82·0	63·0	·323	30						
	11·30	·92			82·2	62·5	·304	27						
	11·45	·90			82·5	62·7	·307	27						
	Noon	·90			82·3	63·3	·329	30						
	P.M. 0·15	·90			83·1	62·7	·299	26						
	0·30	·89	·887	83·8	83·1	63·8	·320	20	ENE	6·7	"	148·6		

Lat. 16° 34′ N. VIZIADRUG—*contd.* Long. 73° 22′ E.

On the central line of totality.

Date.	Hour. Madras time.	Barograph.	Barometer reduced to 32° F.	Dry bulb, No. 2817	Thermograph. Dry bulb.	Thermograph. Wet bulb.	Aqueous vapour pressure.	Relative humidity.	Wind. Direction.	Wind. Amount since preceding interval, in miles per hour	Cloud proportion.	Solar radiation thermometer.	Proportion of sun obscured by cloud, etc.	Weather and other remarks.
	P.M.	"	"	°	°	°	"	%				°		
21st Jan. —*contd.*	0·45	29·88		87·1	84·0	63·5	·313	27	ENE	2·8	*Nil*	148·8		
	1·0	·87			84·0	65·3	·380	32						
	1·15	·86			84·3	65·5	·378	32						
	1·30	·85			82·0	65·0	·391	36						
	1·45	·84			80·3	65·5	·432	43						
	2·0	·83			79·9	65·8	·448	44						
	2·15	·83			79·9	65·4	·434	42						
	2·30	·82			79·8	65·0	·421	41						
	2·45	·81			79·4	64·8	·420	42						
	3·0	·80			79·2	63·8	·385	38						
	3·15	·80		83·8	79·0	64·1	·400	40	WSW	9·0	*Nil*	114·0		
	3·30	·80			79·0	64·6	·425	43						
	3·45	·80			79·1	65·0	·430	43						
	4·0	·80			79·1	64·8	·423	42						
	4·15	·80			79·0	64·7	·421	42						
	4·30	·80			78·7	64·2	·408	41						
	4·45	·80			78·3	65·3	·452	46						
	5·0	·81			78·4	65·3	·451	46						
	5·15	·81	29·827	82·4	78·1	65·9	·476	50	WSW	12·6		85·0		
	5·30	·82			78·2	65·4	·457	47						
	5·45	·82			77·9	65·3	·458	48						
	6·0	·83			77·2	65·2	·462	49						
	6·15	·83			77·0	65·3	·469	50						
	6·30	·84			76·9	66·4	·509	55						
	6·45	·84			76·7	64·5	·445	48						
	7·0	·85			77·3	65·2	·461	49						
	7·15	·85			76·6	66·4	·513	56						
	7·30	·86			75·9	67·1	·547	61						
	7·45	·87			75·8	66·7	·534	60						
	8·0	·87			76·0	66·0	·507	56						
	8·15	·87			76·0	66·1	·510	56						
	8·30	·87			75·2	65·9	·514	59						
	8·45	·87			74·9	65·5	·504	58						
	9·0	·87			74·3	65·6	·515	60						
	9·15	·87			73·9	65·0	·499	59						
	9·30	·87			73·2	64·7	·499	61						
	9·45	·87			73·4	64·8	·500	61						
	10·0	·87			73·2	64·4	·483	59						
	10·15	·87			72·8	64·4	·493	60						
	10·30	·87			72·4	64·3	·496	62						
	10·45	·87			72·1	64·0	·490	62						

Lat. 16° 34′ N. VIZIADRUG—*contd.* Long. 73° 22′ E.

On the central line of totality.

Date.	Hour. Madras time.	Barograph.	Barometer reduced to 32° F.	Dry bulb No. 221.	Thermograph. Dry bulb.	Thermograph. Wet bulb.	Aqueous vapour pressure.	Relative humidity.	Wind. Direction.	Wind. Amount since preceding interval, in miles per hour.	Cloud proportion.	Solar radiation thermometer.	Proportion of sun obscured as observed by [illegible]	Weather and other remarks.
	P.M.	"	"	°	°	°	"	%				°		
21st Jan. —*contd.*	11·0	29·87			70·4	62·9	·475	64						
	11·15	·88			70·2	62·4	·461	62						
	11·30	·88			70·0	62·4	·464	63						
	11·45	·88			70·0	62·6	·470	64						
	Mid-night.	·88			70·7	62·4	·454	60						
22nd Jan.	A.M. 0·15	·88			69·3	61·8	·454	63						
	0·30	·88			68·8	61·7	·458	65						
	0·45	·88			68·3	61·0	·441	64						
	1·0	·88			67·6	60·0	·418	62						
	1·15	·89			66·9	59·5	·411	62						
	1·30	·88			66·4	59·0	·402	62						
	1·45	·88			66·1	59·0	·407	64						
	2·0	·88			65·6	58·4	·395	62						
	2·15	·87			65·2	58·3	·397	63						
	2·30	·87			65·0	58·3	·400	64						
	2·45	·87			64·7	58·3	·403	65						
	3·0	·87			64·8	58·2	·399	65						
	3·15	·87			64·8	58·4	·405	65						
	3·30	·87			65·0	57·7	·382	62						
	3·45	·87			64·1	57·1	·376	63						
	4·0	·87			64·0	57·0	·374	63						
	4·15	·87			63·8	57·1	·380	64						
	4·30	·87			63·4	57·2	·387	66						
	4·45	·88			63·5	57·8	·405	69						
	5·0	·88			63·9	57·0	·375	63						
	5·15	·88			64·0	57·7	·395	67						
	5·30	·88			64·0	56·2	·350	59						
	5·45	·90			64·2	55·4	·323	54						
	6·0	·90			64·0	56·0	·344	58						
	6·15	·90			64·1	54·8	·309	52						
	6·30	·90			64·2	54·9	·310	52						
	6·45	·91		68·2	64·4	55·0	·309	51	ESE	3·9				
	7·0	·93			64·9	54·8	·298	49						
	7·15	·94			65·8	56·9	·346	54						
	7·30	·94			68·0	57·8	·345	50						
	7·45	·95		71·2	69·9	58·0	·325	44	E	5·2				
	8·0	·96	29·956	71·6	68·4	58·2	·351	47	ENE	6·0		111·4		
	8·15	·95		73·0	69·2	57·7	·326	46	E	4·4		117·4		
	8·30	·95		74·5	69·9	59·0	·356	48	E	4·8		122·2		
	8·35		·970											

Lat. 16° 34′ N. VIZIADRUG—*contd.* Long 73° 22′ E.

On the central line of totality

Date	Hour. Madras time	Barograph	Barometer reduced to 32° F	Dry bulb No 251	Thermograph Dry bulb	Thermograph Wet bulb	Aqueous vapour pressure	Relative humidity	Wind Direction	Wind Amount since preceding interval in miles per hour	Cloud proportion	Solar radiation thermometer	Proportion of sun's disc obscured by moon	Weather and other remarks
	A M.	"	"	°	°	°	"	%				°		
22nd Jan —*contd*	8-45	29·96			71 2	60·3	379	49						
	8 50			76·3					E	2 4		127 0		
	9 0	96			72 4	60 7	376	48	E	3 2		130·6		
	9- 5			77 5										
	9-15	97			73 9	61 9	396	47						
	9 30	97			75 0	63 6	437	47						
	9-45	97			76 3	63 5	416	46						
	10- 0	97			77 9	63 9	408	43						
	10 15	96			79 6	64 8	417	41						
	10-25			83 1					ENE	7·0	*Nil*	141 0		
	10 30	96			80 1	65 7	441	43						
	10 45	96		84 2	81 5	65 3	409	38	SE	1·2	*Nil*	145 0		Fine bright sun
	10 50		29 961	85 5					ESE	6·0	"			
	11- 0	95		85 5	82 4	64 5	359	33	E		"			
	11- 5			85 6					L		"			
	11 10			86 0					E		"			
	11-12			86 0					E		"			Eclipse begins
	11 15	94		86 0	82·6	65 3	394	35	E		"			Slight portion obscured
	11 20			85 8					SE	6 2	"			$\frac{1}{12}$ th part of sun obscured.
	11 25			86·2					E					
	11 30	94		86·0	83 0	65·2	385	34	E					
	11 35			85 8							*Nil*			
	11-40			86 0							"			
	11-45	·93		86 0	83 0	64 5	361	32			"			
	11 50			86 2							"		$\frac{1}{4}$	About one-eighth covered
	11-55			85 6							"			
	Noon P M	·93		85 6	82 9	65 5	397	35	E	7	"		$\frac{1}{3}$	About one-third covered
	0 5			85 6					E					
	0-10			84 4					E				$\frac{1}{2}$	Half obscured
	0 15	92		84 4	82 2	63 3	330	30	E	0 2	*Nil*			
	0 20			84 7					E		"			
	0 25			83 8					SE	3·0	"		$\frac{3}{4}$	Nearly two-thirds obscured.
	0 30	91		83 3	81 7	65·9	427	39	Calm change to W		"		$\frac{3}{4}$	About three fourths covered
	0 35			82 2					Calm		"		Totality	NOTE—S.S Mel *fameus* —The wind ceased minutes before totality was F and dimmed in force till it was almost calm Three minutes before totality it changed to west and gradually increased in force
	0 40			81 1										
	0 43			79 9										
	0-44			79 5										
	0-45	90			79·3	65 9	469	46		4	"			
	0 46			79 2										

Lat. 16° 34′ N. VIZIADRUG—*contd.* Long. 73° 22′ E.

On the central line of totality.

Date.	Hour. Madras time.	Barograph.	Barometer reduced to 32° F.	Dry bulb No. 201.	Thermograph. Dry bulb.	Thermograph. Wet bulb.	Aqueous vapour pressure.	Relative humidity.	Wind. Direction.	Wind. Amount since preceding interval, in miles per hour.	Cloud proportion.	Solar radiation thermometer.	Hours of sunshine carried as observed by eye.	Weather and other remarks.
	P.M.	"	"	°	°	°	"	%	°			°		
22nd Jan. —*contd.*	0-50			80·1										
	0-55			80·2					W	4·6				
	1-0	29·90			77·5	65·9	·484	48						
	1-5			80·2					WSW	9·6				
	1-10			80·6										
	1-15	·89			77·5	66·0	·487	48						
	1-30	·88		83·3	78·0	65·0	·445	46	WSW	6·5	*Nil*	114·0		
	1-45	·87		84·6	78·2	65·2	·449	46	WSW	9·2	"	126·8	¼	
	1-50			85·1					WSW	7·2	"			
	2-0	·87			78·8	65·8	·463	47						
	2-3			85·6					WSW	9·2	"		½	
	2-15	·87		87·1	80·0	65·9	·450	44	WSW	5·5	"	141·6	0	
	2-30	·87			80·1	65·6	·438	43						
	2-45	·86			80·2	64·3	·417	37						
	3-0	·86			80·0	65·2	·425	41						
	3-15	·86			80·1	65·7	·441	43						
	3-30	·86			80·0	65·0	·418	41						
	3-45	·86			79·9	65·5	·437	43						
	4-0	·87			79·4	65·7	·450	45						
	4-15	·87			79·0	65·4	·446	45						
	4-30	·87			78·9	65·8	·462	47						
	4-45	·87			79·0	65·3	·442	44						
	5-0	·87			78·9	65·9	·465	47						
	5-15	·87			78·7	65·2	·453	47						
	5-30	·87			78·5	65·5	·469	48						
	5-45	·87			78·3	65·2	·448	47						
	6-0	·87			77·4	65·4	·467	50						
	6-15	·88			77·0	65·1	·461	49						
	6-30	·89			76·5	65·2	·472	52						
	6-45	·90			76·2	65·3	·482	53						
	7-0	·90			76·2	65·6	·490	55						
	7-15	·90			76·0	65·2	·478	53						
	7-30	·90			76·0	65·0	·472	53						
	7-45	·90			76·0	65·4	·486	54						
	8-0	·91			76·0	65·4	·486	54						
	8-15	·91			75·9	65·8	·502	56						
	8-30	·92			75·7	65·8	·504	56						
	8-45	·93			75·6	65·7	·501	56						
	9-0	·93			72·7	66·0	·531	68						
	9-15	·94			71·5	65·0	·532	69						

Lat. 16° 34′ N. VIZIADRUG—*contd* Long 73° 22′ E

On the central line of totality

Date	Hour. Madras time	Baro graph	Barometer reduced to 32° F	D y bulb No. 281	Thermograph D y bulb	Thermograph Wet bulb	Aqueous vapour pressure	Relative hum d ty	Wind D ection	Wind Amount since pre ced ng interval, n m les per hou	Cloud p opor t on	Solar rad ation thermometer	Temperature of dark c s bulb in vacuum	Weati er and other remarks
	P M	"	"	°	°	°	"	%				°		
22nd Jan —*contd.*	9 30	29 94			71 2	65·3	546	71						
	9 45	·94			71 1	63·9	499	65						
	10-0	·94			70 9	63 4	485	64						
	10-15	94			70 4	63·3	489	66						
	10 30	·94			70·0	63 0	484	66						
	10 45	·94			69·8	62 5	470	65						
	11 0	94			69 2	62 7	474	68						
	11 15	·94			69·0	62 1	467	65						
	11 30	·94			68·9	61 1	436	62						
	11·45	94			68·6	61 0	437	63						
	Mid night A M	·94			68 8	61 0	434	62						
23rd "	0·15	·94			69·0	60 9	4[illegible]0	61						
	0 30	94			68 7	60·7	423	61						
	0 45	·94			68 0	60 7	436	64						
	1-0	·94			67 5	60 4	433	64						
	1 15	94			67·0	60 0	426	64						
	1 30	94			66 5	59 9	430	66						
	1 45	·94			66 4	59 7	425	65						
	2-0	94			66·0	59 4	421	66						
	2 15	·94			66·0	59 6	427	66						
	2 30	·94			66 0	59 8	433	67						
	2 45	·94			65 7	59·4	424	67						
	3 0	94			65 7	59·3	421	66						
	3 15	93			65 4	59 2	423	67						
	3 30	·93			65 3	59·6	436	70						
	3 45	93			65 2	59 3	427	68						
	4·0	93			64·9	59·0	422	68						
	4 15	·93			65 0	59 6	440	71						
	4 30	93			65 3	59 8	442	71						
	[illegible]	[illegible]			65·0	59 9	450	73						
	[illegible]0	·93			65·0	60 8	479	77						
	5 15	93			65·6	60·9	475	75						
	5 30	93			66·0	61 1	474	73						
	5 45	93			65·9	60·2	466	70						
	6-0	93			65 0	59·2	428	69						
	6-15	93			64·0	[illegible]0	404	68						
	6-30	94			63 1	[illegible]0	416	72						
	6 45	·94			64·0	[illegible]1	438	73						
	7·0	·94			66 5	[illegible]3	410	63						

Lat. 16° 34′ N. VIZIADRUG—*contd.* Long. 73° 22′ E.

On the central line of totality.

Date.	Hour. Madras time.	Barograph.	Barometer reduced to 32° F.	Dry bulb, No. 281.	Thermograph. Dry bulb.	Thermograph. Wet bulb.	Aqueous vapour pressure.	Relative humidity	Wind. Direction.	Wind. Amount since preceding interval, in miles per hour.	Cloud proportion.	Solar radiation thermometer.	Precipitation since last record as observed by eye.	Weather and other remarks.
	A.M.	"			°	°	"	%						
23rd Jan. —*contd.*	7-15	29·94												
	7-30	·95												
	7-45	·96												
	8-0	·97			67·9	59·7	·405	59						
	8-15	·97			68·9	60·1	·404	57						
	8-30	·98			70·0	61·3	·429	58						
	8-45	·99			72·1	61·8	·417	53						
	9-0	30·00			73·9	62·0	·398	47						
	9-15	·00			75·3	62·9	·409	46						
	9-30	·00			76·6	64·2	·435	47						
	9-45	29·99			77·2	64·9	·452	49						
	10 0	·98			78·5	66·1	·476	50						
	10-15	·98			79·9	67·0	·490	48						
	10-30	·98			79·9	66·0	·454	44						
	10-45	·97			79·6	66·4	·473	47						
	11-0	·96			78 8	67·3	·516	52						
	11-15	·95			78·8	67·2	·513	52						
	11-30	·94			79·0	67·7	·529	53						
	11-45	·94			79·0	68·2	·546	55						
	Noon	93			79·5	68·6	·554	55						
	P.M.													
	0-15	·92			79·9	68·6	·549	54						
	0-30	·91			79·8	68 7	·555	55						
	0-45	·90			79·8	68·5	·547	54						
	1-0	·90			79·8	68·4	·542	53						
	1-15	·90			79·8	68·5	·547	54						
	1-30	·89			79·3	68·5	·553	56						
	1-45	·88			79·3	68·5	·553	56						
	2-0	·87			79·6	68·9	·564	56						
	2-15	·87			79·7	68·7	·556	55						
	2-30	·87			79 8	69·2	·573	57						
	2-45	·86			80·0	68·3	·536	52						
	3-0	·86			79·9	68·5	·545	53						
	3-15	·85			79·7	68·9	·562	56						
	3-30	·85			79·8	69·1	·568	56						
	3-45	·85			79·5	69·0	·565	56						
	4-0	·85			79·5	69·2	·577	57						
	4-15	·85			79·2	69·4	·589	59						
	4-30	·84			78·9	69·5	·596	[illegible]						
	4-45	·84			78·4	69·2	·592	[illegible]						

Lat. 16° 34′ N. VIZIADRUG—*contd.* Long. 73° 22′ E.

On the central line of totality.

Date.	Hour. Madras time.	Barograph.	Barometer reduced to 32° F.	Dry bulb, No. 281.	Thermograph. Dry bulb.	Thermograph. Wet bulb.	Aqueous vapour pressure.	Relative humidity.	Wind. Direction.	Wind. Amount since preceding interval, in miles per hour.	Cloud proportion.	Solar radiation thermometer.	Proportion of sun disc covered as observed by eye.	Weather and other remarks.
		″			°	°	″	%						
	P.M.													
23rd Jan. —*contd.*	5·0	29·84			78·2	69·6	·609	63						
	5·15	·84			78·8	71·3	·667	68						
	5·30	·84			78·9	71·1	·658	67						
	5·45	·84			78·1	70·1	·629	65						
	6·0	·85			77·5	70·1	·637	67						
	6·15	·85			77·1	70·2	·647	69						
	6·30	·86			77·0	70·1	·644	69						
	6·45	·86			77·0	70·5	·659	71						
	7·0	·87			77·0	70·3	·652	70						
	7·15	·87			76·9	70·8	·672	73						
	7·30	·87			76·6	70·7	·672	73						
	7·45	·88			76·5	70·1	·650	71						
	8·0	·88			76·4	69·9	·645	71						
	8·15	·88			76·2	69·0	·613	68						
	8·30	·89			76·0	68·3	·590	65						
	8·45	·89			76·0	67·2	·573	61						
	9·0	·89			76·1	67·1	·544	60						
	9·15	·89			75·9	67·2	·550	61						
	9·30	·89			75·3	67·2	·559	64						
	9·45	·89			73·7	67·2	·586	70						
	10·0	·89			73·8	67·2	·579	70						
	10·15	·89			74·1	67·3	·579	69						
	10·30	·89			73·9	67·6	·592	71						
	10·45	·89			73·4	66·2	·548	66						
	11·0	89			73·4	66·3	·553	67						
	11·15	·89			73·7	66·2	·544	65						
	11·30	·89			73·0	66·0	·547	67						
	11·45	·89			72·0	65·7	·550	70						
	Mid-night.	·89			70·9	64·8	·533	71						
24th Jan.	A.M. 0·15	·89			70·2	64·6	·536	73						
	0·30	·89			69·8	64·3	·539	73						
	0·45	·89			69·9	63·9	·515	70						
	1·0	·89			69·8	63·3	·496	68						
	1·15	·89			69·9	63·0	·485	66						
	1·30	·89			69·1	63·6	·516	73						
	1·45	·89			68·9	64·5	·559	77						
	2·0	·89			68·3	64·0	·540	78						
	2·15	·88			68·5	63·9	·534	77						
	2·30	·88			67·8	62·4	·493	72						
	2·45	·88			67·5	61·9	·482	72						

VIZIADRUG—*contd.*

Lat. 16° 34′ N. Long. 73° 22′ E.

On the central line of totality.

Date.	Hour. Madras time.	Barograph.	Barometer reduced to 32° F.	Dry bulb, No. 281.	Thermograph. Dry bulb.	Thermograph. Wet bulb.	Aqueous vapour pressure.	Relative humidity.	Wind. Direction.	Wind. Amount since preceding interval, in miles per hour.	Cloud proportion	Solar radiation thermometer.	Correction to sun-dial corrected as observed by eye.	Weather and other remarks.
	A.M.	"			°	°	"	%						
24th Jan. —*contd.*	3·0	29·88			66·8	61·1	·464	70						
	3·15	·88			66·6	61·3	·473	72						
	3·30	·88			67·0	60·9	·456	69						
	3·45	·87			67·0	60·7	·449	68						
	4·0	·87			66·8	60·0	·429	65						
	4·15	·87			66·3	59·8	·429	66						
	4·30	·87			65·6	59·4	·426	67						
	4·45	·87			65·7	58·4	·394	62						
	5·0	·87			66·0	58·3	·386	60						
	5·15	·87			65·3	58·0	·387	60						
	5·30	·87			65·2	57·5	·373	60						
	5·45	·87			65·2	57·5	·373	60						
	6·0	·88			65·2	57·1	·361	58						
	6·15	·88			65·1	57·0	·359	58						
	6·30	·88			64·8	56·8	·357	58						
	6·45	·89			65·0	57·0	·360	58						
	7·0	·89			65·4	57·2	·361	57						
	7·15	·90			66·2	58·3	·383	59						
	7·30	·90			67·8	58·3	·362	53						
	7·45	·90			68·2	58·9	·376	55						
	8·0	·92			70·0	59·5	·370	51						
	8·15	·93	29·904		71·9	60·5	·376	48	ENE	11·6				Barograph five minutes fast; thermograph five minutes fast: readings probably slightly low, due to defective adjustment.
	8·30	·94			73·3	62·0	·406	50						
	8·45	·94	·939		75·2	63·5	·431	49	ENE					
	9·0	·95			77·0	64·4	·437	48						
	9·15	·96			78·3	65·4	·455	46						
	9·30	·96	·964		79·6	66·3	·469	46	NE	5·4	*Nil*	86·6		
	9·45	·96			80·9	66·1	·444	42						
	9·50								E	4·8		87·8		
	10·0	·96	·959		81·9	67·0	·463	42	ESE	6·0	*Nil*	89·0		
	10·15	·96			83·0	67·7	·475	42						
	10·20											89·4		
	10·30	·96			83·8	67·4	·452	39						
	10·45	·95			84·7	68·2	·470	39						
	11·0	·94			85·5	68·4	·466	38						
	11·15	·94			86·1	69·8	·510	41						
	11·30	·93			87·0	68·8	·461	36						
	11·45	·92			87·9	69·5	·475	36						
	Noon	·91			88·1	71·0	·565	42						

VIZIADRUG—*concld.*

Lat. 16° 34′ N. Long. 73°22 E.

On the central line of totality.

Date.	Hour. Madras time.	Barograph.	Barometer reduced to 32° F.	Dry bulb, No. 281.	Thermograph. Dry bulb.	Thermograph. Wet bulb	Aqueous vapor pressure.	Relative humidity.	Wind. Direction.	Wind. Amount since preceding interval, in miles per hour.	Cloud proportion	Solar radiation thermometer.	Proportion of sun obscured as observed by eye.	Weather and other remarks.
	P.M.	"	"		°	°	"	%				°		
24th Jan. —*concld.*	0-15	29·90			84·0	70·0	·547	47						
	0 30	90			84·1	71 2	·591	50						
	0-45	·89			83·0	70 2	·568	50						
	1-0	89			81 8	71·2	·623	58						
	1-15	·88			81 6	70·0	·579	54						
	1-20		29 855						WSW	5·7		89·2		Wind changed to west during last interval, probably at noon
	1-30	·87			81·8	70·0	·576	53	W	15·6				
	1-45	85			81·9	70·1	·579	51						
	2-0	85			82·0	70·0	·573	52						
	2-15	·83			81 3	71·5	641	60						
	2-20								W	7·2				
	2-30	·82			81·2	71·2	631	59						
	2-45	·82			80·4	71 2	·641	61						
	3-0	82												

Meteorological observations recorded at Ghunghuti by W. A. Bion, Esq., in connection with the Solar Eclipse of 22nd January 1898.

"In accordance with instructions received from the Meteorological Reporter to the Government of India, Secretary to the General Committee, G. V. Juggarow Observatory, I left Vizagapatam on the 11th January to take meteorological observations during the solar eclipse of the 22nd January. The station selected was Ghunghuti on the Bilaspur-Kutni branch line of the Bengal Nagpur Railway in Rewah, Central India, Lat. 23°-20′-36″ North and Long. 81°-14′-55″ East.

"The instruments taken were the following:—

Thermometers.

Dry Bulb	No. 656714 by J. Hicks.
Wet bulb	" 656713 do.
Maximum	" 80587 by Negretti. and Zambra.
Dry minimum	" 78310 " "
Wet minimum	" 80700 " "

Robinson Anemometer.
Small Wind-vane.
Richard's self-recording Barograph.
Richard's self-recording Thermograph (dry and wet).
A full plate Camera by L. Casella with lens by Zeiss, Series II, A, No. 5.

"As the observatory unfortunately did not possess a chronometer, I had to use an ordinary watch set as accurately as possible to Madras time, which the Station Master kindly obtained for me an hour before the total phase of the eclipse commenced. The time used in the observations recorded is hence Madras time throughout, which differs from the local mean time of Ghunghuti by only a few minutes, the local time being four minutes in advance of Madras time.

"An open site was selected for the exposure of the instruments, and a bamboo staging, 3 feet in height, was erected for the cages containing the thermometers and thermograph. The cages consisted of wooden boxes, two feet square, with louvred sides and sloping tops. The extreme height of the cages was 2′-7½″. The anemometer was fixed on a post with the cups 6′-2″ above the ground, and the wind vane on another post at a height of 6 feet. The barograph was placed on a shelf in the railway station booking office. Both barograph and thermograph were set to the mercurial instruments at Alipore, and the thermograph was again set approximately correct at Ghunghuti, but it did not work very satisfactorily. No irrigating trough was supplied with this instrument for the wet "bulb," and it was difficult to keep the muslin properly wet, for whenever a few drops of water were placed on the muslin the weight of the water caused a temporary rise of about 2° in the trace. Eye observations of the mercurial thermometers were, however, taken at frequent intervals during the 21st and 22nd. A stand for the camera was constructed of a long board elevated at the correct angle by a hinged support. Long pieces of wood were screwed transversely to the bottom of board and support to give them greater stability, and, after having been adjusted in the correct position, they were made perfectly rigid by pegs, etc.

"I arrived at Ghunghuti on the night of the 19th, and on the morning of the 20th unpacked the barograph and thermograph and set them going while the stand for the thermometers was in course of construction. Readings of the anemometer and wind vane were taken from 14 hours on the 20th, and of the mercurial thermometers from 7 hours on the 21st.

"At 18 hours every evening all the instruments were taken into the tent, and brought outside again at about 6-30 in the morning.

"While in the railway station some one accidently touched the pivoted pin in front of the barograph, thus removing the pin from the drum. Owing to this there is a break in the record from 15-15 to 19-15 on the 21st.

"The height of Ghunghuti above sea-level being considerable, the barograph lever was depressed to near the bottom of the drum. To guard against the possibility of any sudden change of pressure depressing the pin below the drum, I raised the lever by half an inch on the morning of the 22nd and altered the figures on the paper trace accordingly.

"Six exposures were made with the camera, one before, one after, and four during totality. The last of the four exposures during totality was completed just as the first *point of light appeared from behind the moon. The following are the approximate times* and length of exposure of each plate :—

No. of slide.	Kind of plate.	Stop.	Time of exposure. Madras time.		Length of exposure.
		F.	Hour.	Minutes.	Seconds.
No. 1	Wratten and Wainwright's Ordinary	8	1	36	½
„ 3	Wratten and Wainwright's Drop shutter	8	1	37½	4
„ 4	Do. do.	8	1	38	5
„ 5	Do. do.	8	1	38½	8
„ 6	Do. do.	8	1	39	3
„ 2	Wratten and Wainwright's Ordinary	80	1	40	½

"The plates were all backed with red and black paper backing. The image obtained was very small, as the expedient of removing one of the lenses to obtain a larger image did not prove successful, as it was impossible to rack the camera out sufficiently to obtain the larger image in focus.

"The meteorological observations are given below. On the afternoon of the 19th and on the morning of the 20th and 21st thin cirrus cloud was observed, which on the 21st at 10 hours covered nearly the whole sky, but as the day advanced it disappeared. On the 22nd the sky was clear.

"A gentle breeze was blowing all the morning of the 22nd, but within a few minutes of totality it died away suddenly, and during totality there was dead calm. The breeze commenced again about an hour after. The dry bulb fell from 77°·8 at 13 hours to 68°·9 at 13-58, after which temperature rose again, the fall due to the eclipse thus amounting to 8°·3. Both vapour pressure and relative humidity increased during totality, the maximum relative humidity being attained at the same hour as the minimum temperature; that of vapour pressure occurring a quarter of an hour later. The rise in relative humidity from 12-45 hours was from 23 to 44 per cent. and of vapour pressure from 0"·213 to 0"·322.

"From the barograph trace pressure would appear to have fallen perhaps slightly more rapidly between 12 and 14 hours on the day of the eclipse than on the preceding day, but the trace for the 20th shows a fall very similar to that on the 22nd."

Lat. 23° 21′ N. GHUNGHUTI. Long. 81° 15′ E.

On the line of totality.

Date.	Hour. Madras time.	Barograph.	Thermograph. Dry bulb corrected.	Thermograph. Wet bulb corrected.	Aqueous vapour pressure.	Relative humidity.	Wind. Direction.	Wind. Velocity during preceding interval, in miles per hour.	Cloud proportion.	Weather and other remarks.
	A.M.	°	°	°	"	%				
20th Jan.	10·0	28·345								
	10·30	·310								
	11·0	·330								In morning there was light cirrus cloud almost covering the sky, but by about noon all cloud had disappeared.
	11·30	·315								
	11·45	·300								
	Noon.	·295								
	P.M.									
	0·15	·270								
	0·30	·270								
	0·45	·260								
	1·0	·260								
	1·10	·260								
	1·20	·250	75·4	58·5	·268	31			*Nil*	
	1·25	·250	75·4	58·2	·259	29			"	
	1·30	·250	75·6	59·3	·290	33	NW		"	
	1·35	·245	76·4	60·4	·314	34			"	
	1·40	·240	75·9	59·4	·289	32			"	
	1·45	·240	76·1	60·3	·314	35			"	
	1·50	·235	75·8	60·9	·338	38			"	
	2·0	·235	76·9	60·9	·323	35	NW		"	
	2·15	·230	77·5	61·1	·321	34			"	
	2·30	·220	76·9	61·4	·339	36			"	
	2·45	·220	77·1	60·4	·304	33			"	
	3·0	·220	76·9	60·7	·317	34	N		"	
	4·0	·200	75·8	60·9	·338	38	N	2·9	"	
	5·0	·200	73·3	60·5	·358	43	Calm	1·8	"	
	6·0	·200	58·4	51·2	·283	57	Calm	0	"	
	7·0	·215								
	8·0	·230								
	9·0	·235								
	Midnight.	·230								
21st Jan.	A.M. 1·0	·230								
	3·0	·210								
	4·0	·200								
	6·0	·200								
	7·0	·220	44·6	44·1	·283	96	Calm.		3	Cloud to north.
	8·0	·245	52·6	49·5	·314	79	Calm.	0	3	Cloud increasing.
	9·0	·265	65·0	55·9	·328	53	Calm.	0	5	Ditto.
	10·0	·270	69·3	54·2	·222	31	W	0·7	8	Light cirrus covering almost whole sky.
	10·30	·260	72·4	55·1	·206	26	NW	3·7	6	Cloud apparently disappearing.
	11·0	·250	71·7	55·7	·233	30	NW	4·6	6	

Lat. 23° 21′ N. GHUNGHUTI—*contd.* Long. 81° 15′ E.

On the line of totality.

Date.	Hour. Madras time.	Barograph.	Thermograph. Dry bulb corrected.	Wet bulb corrected.	Aqueous vapour pressure.	Relative humidity.	Wind. Direction.	Velocity during preceding interval, in miles per hour.	Cloud proportion.	Weather and other remarks.
	A.M.	"	°	°	"	%				
21st Jan.—*contd.*	11-30	28·245	73·7	55·9	·212	25	NW	1·8	4	
	11-45	·240	73·7	55·8	·209	25	NW	?	?	
	Noon.	·230	74·6	56·7	·224	26	NW	?	*Nil*	Clear.
	P.M. 0-15	·220	74·7	56·6	·220	25	NW	?	"	
	0-30	·215	76·8	58·5	·249	27	W	3·7	"	
	0-45	·210	76·1	56·2	·190	21	WNW	2·7	"	
	1-0	·200	75·8	55·9	·184	21	NW	2·3	"	
	1-10	·200	76·5	55·0	·149	16	NNW	8·8	"	
	1-20	·195	75·8	55·8	·182	21	N	1·7	"	
	1-25	·195	76·8	56·0	·174	19	NNW	3·5	"	
	1-30	·190	76·9	56·4	·184	20	N	4·7	"	
	1-35	·190	78·3	57·5	·199	21	NNW	4·7	"	
	1-40	·190	76·7	56·6	·193	21	NNW	4·6	"	
	1-45	·190	76·3	56·1	·184	21	WNW	5·3	"	
	1-50	·185	78·3	56·6	·172	18	NNW	6·4	"	
	2-0	·185	78·3	55·7	·145	15	WNW	2·9	"	
	2-15	·180	77·2	56·1	·172	19	WNW	4·3	"	
	2-30	·180	78·3	56·7	·175	19	NW	4·2	"	
	2-45	·175	77·4	57·1	·204	21	NW	5·8	"	
	3-0	·175	78·2	57·1	·188	20	NW	3·1	"	
	4-0		78·6	57·5	·195	20	W	3·1	"	
	6-0		56·4	49·9	·275	60	Calm.	0·8	"	
	8-0	·215								
	10-0	·220								
	Mid-night.	·220								
22nd Jan.	A.M. 1-0	·220								
	3-0	·220								
	4-0	·215								
	6-0	·220								
	7-0	·240	41·1	39·0	·231	90	Calm		"	
	8-0	·265	56·4	50·5	·291	64	Calm	0	"	
	9-0	·285	66·7	55·2	·244·5	34	NW	0·3	"	
	10-0	·300	74·1	55·6	·199	24	WNW	3·2	"	
	10-30	·305	74·0	55·7	·203	24	N	4·8	"	
	11-0	·300	75·3	57·1	·227	26	NNE	4·5	"	
	11-30	·285	76·2	56·6	·200	22	NNW	3·0	"	
	11-45	·280	75·3	56·7	·215	25	NNW	6·8	"	
	Noon.	·270	77·8	57·4	·202	21	NW.	3·9	"	
	P.M. 0-15	·265	77·7	56·8	·185	20	WNW	3·9	"	
	0-30	·260	[illegible]·3	57·5	·212	23	NNE	4·3	"	
	0-45	·255	77·0	57·4	·213	23	NNW	2·7	"	

Lat. 23° 21′ N. GHUNGHUTI—*concld.* Long 81° 15′ E.

On the line of totality.

Date.	Hour. Madras time.	Barograph.	Thermograph. Dry bulb corrected.	Thermograph. Wet bulb corrected.	Aqueous vapour pressure.	Relative humidity.	Wind. Direction.	Wind. Velocity during preceding interval in miles per hour.	Cloud proportion.	Weather and other remarks.
	P.M.	"	°	°	"	%				
22nd Jan. —*concld.*	1·0	28·240	77·2	58·1	·231	25	NNW	3·7	*Nil*	
	1·10	·240	76·3	57·2	·216	24	NNW	1·7	"	
	1·15	·240	75·5	56·6	·209	24	NNW	4·1	"	
	1·20	·230	75·0	57·1	·231	26	NNW	5·2	"	
	1·25	·230	74·5	57·4	·246	29	NNW	1·8	"	
	1·30	·230	73·7	56·5	·230	28	NNW	2·9	"	
	1·38	·230	72·7	57·1	·261	33	Calm	0	"	
	1·40	·230	71·7	57·1	·274	36	Calm	0	"	
	1·45	·230	71·3	56·5	·275	37	Calm	0	"	
	1·50	·230	69·0	56·3	·287	40	NNW	0·6	"	
	1·58	·230	68·9	57·2	·315	44	NNW	0·4	"	
	2·0	·230	69·2	57·6	·309	42	Calm	0	"	
	2·10	·230	71·3	58·4	·319	42	Calm	0	"	
	2·15	·230	72·7	59·1	·322	41	Calm	0	"	
	2·20	·230	73·6	57·5	·261	31	Calm	0	"	
	2·30	·220	75·3	58·3	·263	30	NNW	0·3	"	
	2·40	·220	76·2	56·3	·191	21	NNW	2·9	"	
	2·45	·220	76·3	57·1	·215	24	NNE	3·5	"	
	2·50	·220	76·4	58·0	·239	26	NNE	3·5	"	
	3·0	·220	77·5	58·5	·240	26	N	3·5	"	
	3·15	·220	77·3	57·1	·200	22	NW	3·1	"	
	3·30	·225	77·4	57·5	·210	23	NNW	4·7	"	
	3·45	·225	77·4	57·5	·210	23	NNW	3·5	"	
	4·0	·225	77·0	57·3	·210	23	NNW	3·9	"	
	4·30	·230	77·7	59·4	·265	28	Calm	1·2	"	
	5·0	·245	73·3	58·7	·295	37	NNW	0·2	"	

Observations of Pressure and Temperature taken by J. Murray, Esq., Meteorological Reporter, N.-W. P. and Oudh, during the Solar Eclipse of 22nd January 1898 at Dumraon, Bihar

"A record of the pressure was obtained by means of an open scaled barograph (No. 22705) by Richard Freres, check readings being at the same time taken at intervals on an ordinary mercury standard (No. 1439, Casella correction + 007"). The temperature was similarly recorded on an open scale thermograph by the same maker, check readings being taken on mercury standard (No. 384988, Hicks).

"The instruments were suspended in a thatched shed of the ordinary circular pattern, about 12 feet in diameter, open at the sides with eaves about 5 feet from the ground. The exposure of the instruments was fairly good. Traces of pressure and temperature were obtained for the six hours, noon to 6 P.M., on the 22nd.

PRESSURE

"The following table gives the pressure readings of the barograph, as read off by a dividing engine for every five minutes from 12 hours to 16 hours and every 15 minutes thereafter from 16 hours to 18 hours on the 22nd January. The check readings of the standard barometer are also given.—

TABLE II

Date	Time by barograph clock 3 minutes behind Madras time	Pressure by barograph	Check readings of barometer (Cas No. 1439)		Hour of check reading (by barograph clock)	Check readings corrected and reduced to 32° F	Corresponding readings from the barograph trace	Difference	Remarks
			Barometer	Attached thermometer					
		"	°	°	P.M.	"	"	"	
22nd Jan.	Noon P.M.	29·775							
	0·5	774							
	0·10	774							
	0·15	773							
	0·20	770							
	0·25	768							
	0·30	767	29·905	79·0	0—32	29·777	29·767	·010	
	0·35	766							
	0·40	763							
	0·45	760							
	0·50	756							
	0·55	753							
	1·0	752							
	1·5	750							
	1·10	749							
	1·15*	749	29·891	77·0	1—14	29·768	29·749	·019	* Here one of the fastenings of the barograph gave way and the instrument jarred somewhat.
	1·20	750							

Date.	Time by barograph clock, 3 minutes behind Madras time.	Pressure by barograph.	Check readings of barometer (Cas. No. 1439). Barometer.	Attached thermometer.	Hour of check reading (by barograph clock).	Check readings corrected and reduced to 32° F.	Corresponding readings from the barograph trace.	Difference.	Remarks.
	P.M.	"	"	°	P.M.	"	"	"	
22nd Jan. —*contd.*	1·25	29·749	29·887	76·0	1—24	29·767	29·749	·018	
	1·30	·748							
	1·35	·748							
	1·40	·748							
	1·45	·747							
	1·50	·746							
	1·55	·746							
	2·0	·745							
	2·5	·745	29·860	71·5	2—4	29·751	29·745	·006	
	2·10	·745							
	2·15	·745							
	2·20	·745							
	2·25	·745	29·865	75·2	2—27	29·747	29·744	·003	
	2·30	·742							
	2·35	·741							
	2·40	·739							
	2·45	·738							
	2·50	·738							
	2·55	·738							
	3·0	·736							
	3·5	·736	29·870	74·0	3—7	29·755	29·735	·020	
	3·10	·734							
	3·15	·733							
	3·20	·732							
	3·25	·731							
	3·30	·730							
	3·35	·730							
	3·40	·730							
	3·45	·730							
	3·50	·729							
	3·55	·730							
	4·0	·731							
	4·15	·735	29·878	77·6	4—9	29·753	29·733	·020	
	4·30	·738							

Date.	Time by barograph clock, 3 minutes behind Madras time.	Pressure by barograph.	Check readings of barometer (Cas. No. 1439).		Hour of check reading (by barograph clock).	Check readings corrected and reduced to 32° F.	Corresponding readings from the barograph trace.	Difference.	Remarks.
			Barometer.	Attached thermometer.					
	P.M.	"							
22nd Jan. —*concld.*	4·45	29·743							
	5·0	·748							
	5·15	·759							
	5·30	·763							
	5·45	·768							
	6·0	·771							

"The check readings show that on the whole the barograph trace was in fair agreement with the readings of the corrected and reduced standard. The difference, half an hour after the instruments were set up, was ·010"; during the next hour it increased to ·018" or ·019"; at, or shortly after, totality it fell to ·006" and ·003"; at 15 hour, when the eclipse was practically over, it was ·020" and remained at that during the rest of the afternoon. Subsequent comparison of the barograph with a mercury standard has shown that in the main the reduced readings of the latter agree with those of the barograph to within about ·010". The barograph, however, seems to require a correction for temperature, which for temperatures near 80°F. is approximately +·001" per 2° rise in temperature, and lags about ten minutes behind the change of temperature. A further correction of the barograph readings seems to be required for scale errors. When the scale is fixed on the drum, the lines of equal pressure slope slightly down, and readings at the end of a 24=hour period are therefore slightly higher than at the beginning. The difference due to this cause in the scale used on the 22nd January is ·015" in 24 hours, or ·001" in 1 hour 36 minutes. Hence, relatively to the readings previous to 12 hours 48 minutes on the 22nd, the following corrections must be applied.

Period.	Correction.
from 12h. 48m. to 14h. 24m.	—·001"
" 14h. 24m. " 16h.	—·002"
" 16h. " 17h. 36m.	—·003"
" 17h. 36m. " 18h.	—·004"

TEMPERATURE.

"The following table gives the dry and wet bulb readings of the thermograph trace with the check readings of the mercury standard. Check readings of a wet bulb instrument unfortunately could not be taken, but the wet bulb readings taken at Buxar may serve to give an approximate correction for the thermograph record. The dry bulb thermograph record was about 6 minutes behind Madras time, the wet bulb about 3 minutes fast, so that to make the two traces comparable the dry bulb trace must be moved forward about 9 minutes."

TABLE III.

Date.	Time by Thermograph.	Thermograph.		Check readings of standard dry bulb (corrected).	Corresponding readings of thermograph dry bulb.	Difference.
		Dry bulb.	Wet bulb.			
		°	°	°	°	°
22nd Jan.	Noon	84·0				
	P. M. 0- 5	84·0				
	0-10	83·3				
	0-15	83·3				
	0-20	83·1				
	0-25	82·9				
	0-30	83·3				
	0-35	83·0				
	0-40	82·8				
	0-45	82·4	59·8			
	0-50	82·8	58·7			
	0-55	82·9	59·0			
	1- 0	82·2	59·4			
	1- 5	82·0	59·0			
	1-10	81·7	59·0	76·8	81·7	4·9
	1-15	81·3	59·2			
	1-20	81·0	58·5			
	1-25	80·0	59·0	73·9	80·0	6·1
	1-30	79·4	58·4			
	1-35	78·1	58·3			
	1-40	77·6	57·7			
	1-45	76·9	57·2			
	1-50	76·2	57·2			
	1-55	76·1	56·9			
	2- 0	76·6	56·5	71·0	76·6	5·6
	2- 5	77·2	56·3			
	2-10	78·0	56·6			
	2-15	79·0	57·1			
	2-20	79·5	57·3			
	2-25	80·0	57·9	74·8	80·0	5·2
	2-30	80·3	58·0			
	2-35	80·7	59·0			
	2-40	81·3	59·0			
	2-45	82·1	59·4			

Date.	Time by Thermograph	Thermograph.		Check readings of standard dry bulb (corrected).	Corresponding readings of thermograph dry bulb	Difference
		Dry bulb	Wet bulb.			
	F M.	°	°	°	°	°
22nd Jan —*concld*	2 50	82 5	60 0			
	2 55	82 7	59 8			
	3- 0	82 8	60 0			
	3- 5	83 0	60·6	76 8	83·0	6·2
	3·10	83·0	60 0			
	3·15	83 0	60 2			
	3·20	83 0	59 7			
	3 25	83 0	60 2			
	3 30	83 0	59 7			
	3·35	82 7	59 8			
	3 40	82·7	59·8			
	3·45	82 4	59·8			
	3·50	82 1	59 9			
	3 55	82·0	59 5			
	4- 0	82·0	59·3			
	4·15	81 3	59 5	75 9	81 9	6 0
	4 30	80 2	58 4			
	4·45	78·7	58 8			
	5- 0	76 2	57 4			
	5·15	73 6	56 4			
	5·30	71 2	56 0			
	5·45	68 6	53 8			
	6- 0	67 1	52·0			
	6·15		51 0			

The following table gives a summary of the observations (corrected and reduced) recorded by Mr. Murray at Dumraon.

Lat. 25° 33′ N. **DUMRAON.** Long. 84° 12′ E.

On the line of totality.

Date.	Hour. Madras time.	Barograph.	Thermograph. Dry bulb.	Thermograph. Wet bulb.	Aqueous vapour pressure.	Relative humidity.
	P. M.	″	°	°	″	
22nd Jan.	0·3	29·775	84·0			
	0·8	·774	84·0			
	0·13	·774	83·3			
	0·18	·773	83·3			
	0·23	·770	83·1			
	0·28	·768	82·9			
	0·33	·767	83·3			
	0·38	·766	83·0			
	0·43	·765	82·8			
	0·48	·760	82·4	58·8	·184	17
	0·53	·756	82·8	58·7	·176	16
	0·58	·753	82·9	59·0	·182	16
	1·3	·752	82·1	59·4	·206	18
	1·8	·750	82·0	59·0	·195	18
	1·13	·749	81·7	59·0	·199	18
	1·18	·749	81·3	59·2	·225	22
	1·23	·750	81·0	58·5	·193	20
	1·28	·749	80·0	59·0	·222	22
	1·33	·748	79·4	58·4	·211	21
	1·38	·748	78·4	58·3	·222	23
	1·43	·748	77·6	57·7	·216	23
	1·48	·747	76·9	57·2	·219	22
	1·53	·746	76·2	57·2	·217	24
	1·58	·746	76·1	56·9	·209	24
	2·3	·745	76·6	56·5	·192	22
	2·8	·745	77·2	56·3	·177	19
	2·13	·745	78·0	56·6	·173	19
	2·18	·745	79·0	57·1	·177	18
	2·23	·745	79·5	7·8	·192	19
	2·28	·745	80·0	57·9	·188	19
	2·33	·742	80·3	58·0	·186	19
	2·38	·741	80·7	59·0	·212	20
	2·43	·739	81·3	59·0	·204	20
	2·48	·738	82·1	59·4	·206	18
	2·53	·738	82·5	60·0	·220	20
	2·58	·738	82·7	59·8	·210	19
	3·3	·736	82·8	60·0	·216	19
	3·8	·736	83·0	0·6	·232	21
	3·13	·731	83·0	60·0	·213	19
	3·18	·733	83·0	60·2	·219	19
	3·23	·732	83·0	59·7	·203	19
	3·28	·731	83·0	60·2	·220	19
	3·33	·730	83·0	59·7	·203	19
	3·38	·730	82·7	59·8	·210	19
	3·43	·730	82·7	59·8	·210	19
	3·48	·730	82·4	59·8	·215	20
	3·53	·729	82·1	59·9	·221	21
	3·58	·730	82·0	59·5	·211	19
	4·3	·731	82·0	59·3	205	19
	4·18	·735	81·3	59·5	·219	20
	4·33	·738	80·2	58·4	·206	19
	4·48	·743	78·7	58·8	·233	24
	5·3	·748	76·2	57·4	·224	24
	5·18	·759	73·6	56·4	·229	28
	5·33	·763	71·2	56·0	·248	33
	5·48	·768	68·6	53·8	·228	31
	6·3	·771	67·1	52·0	·176	29
	6·18			51·0		